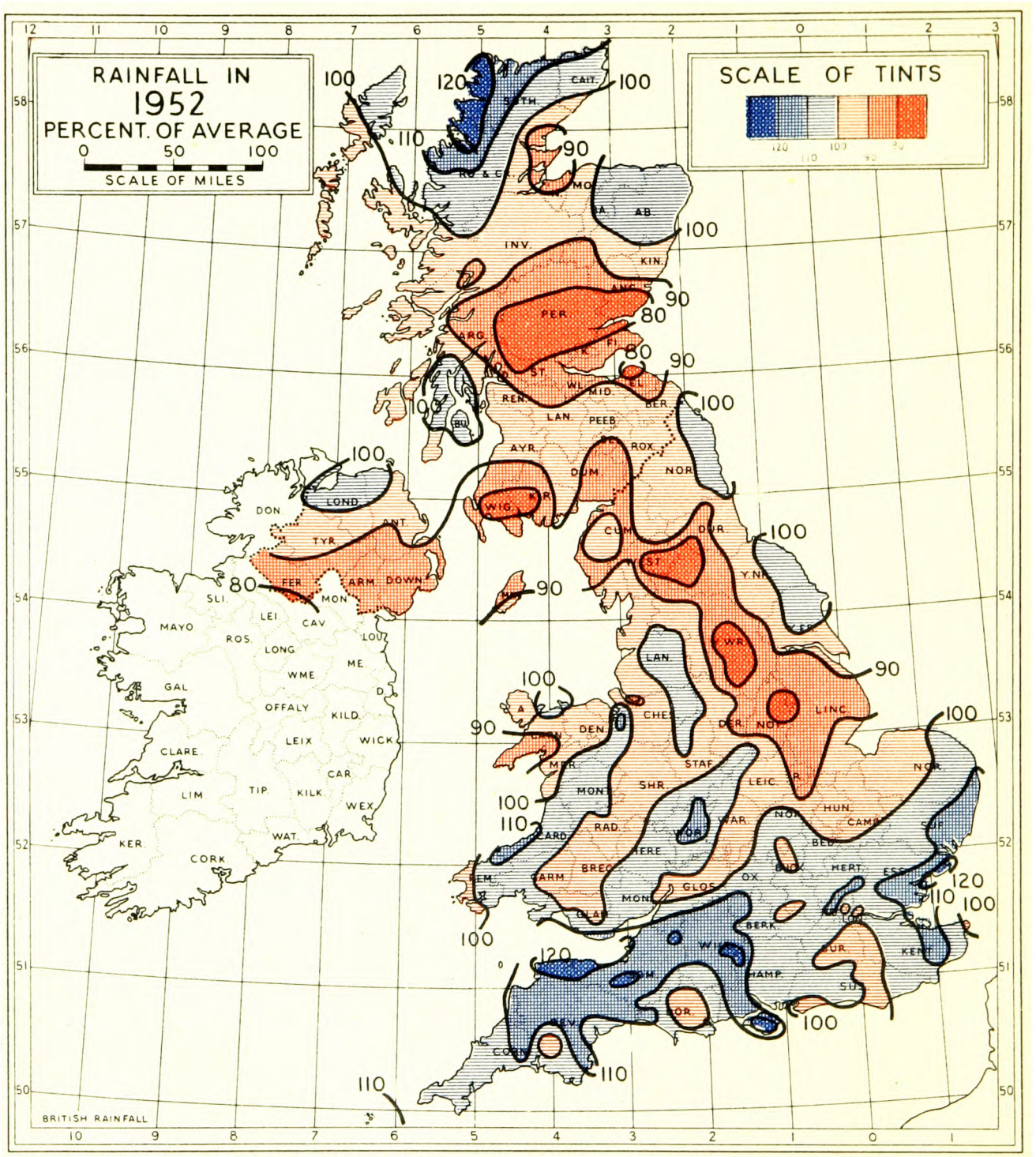
# RELATION OF RAINFALL IN 1952 TO THE AVERAGE OF 1881-1915.




AIR MINISTRY, METEOROLOGICAL OFFICE.

**The area coloured Red had rainfall below the average, that coloured Blue had rainfall above the average.**



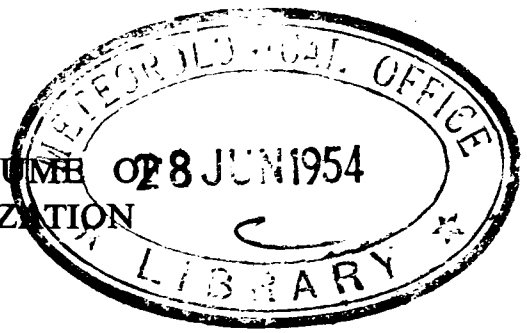
5330-3032-BM4142-675-12/53 (M.F.P.)

M.O. 576 AIR MINISTRY

METEOROLOGICAL OFFICE

# BRITISH RAINFALL

## 1952




THE NINETY-SECOND ANNUAL VOLUME OF THE BRITISH RAINFALL ORGANIZATION

*Report on the*

## DISTRIBUTION OF RAIN

64062

IN SPACE AND TIME OVER GREAT BRITAIN AND NORTHERN IRELAND DURING THE YEAR 1952 AS RECORDED BY ABOUT 5,000 OBSERVERS

WITH MAPS

LONDON : HER MAJESTY'S STATIONERY OFFICE
1954

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# BRITISH RAINFALL 1952

## PART I

# 1 The Work of the British Rainfall Organization

"BRITISH RAINFALL 1952." The present volume is in the same form as that for 1951 and retains the main features of preceding volumes, thus enabling comparison to be made between the rainfall of 1952 and that in earlier years. This comparison is facilitated by continuing to number the principal tables according to their sequence in the various sections. The series of maps showing monthly, seasonal and annual percentages of average has been continued, the annual map appearing as a coloured plate, wherein the scale of tints of blue for more than average and of red for less than average has also been continued.

LOCAL ORGANIZATIONS. Most of the rainfall returns from which this volume has been compiled are sent by the observers direct to the Meteorological Office, but in some regions there are local organizations who have greatly assisted by collecting rainfall returns for forwarding to the Office and by stimulating interest in weather recording. Among the officials of such organizations there should be mentioned Mr. C. W. Boddington of the Northamptonshire Natural History Society ; Mr. R. S. Copeman of the Norfolk Rainfall Organization; the Librarian North Devon Athenaeum ; Mr. E. L. Kelting of the Somerset River Board ; and Mr. D. W. Bogle of the Cornwall Rainfall Association.

Mr. Robert Burrow, Engineer and Manager of the Jersey New Waterworks Company, forwarded returns from several stations in Jersey, and Mr. W. N. McCall, Burgh Engineer of Kilmarnock, continued the collection of records in Ayrshire.

The exchange of information with the Director of the Meteorological Service of the Irish Republic was continued.

THE STAFF OF OBSERVERS. The information on the rainfall in 1952 presented in this volume is based on the collection of about 5,500 returns of rainfall received from all parts of the country. Not all of these are included in the General Table (Part II of this volume), the Table being shortened by the omission of returns from check gauges and of some records which are not complete. Returns are contributed by private persons who measure the rainfall primarily as a matter of personal interest, or by public local authorities—and especially the authorities of water undertakings—who find that a knowledge of rainfall is essential to them in their work. The goodwill of the observers who voluntarily forward copies of their observations for preservation is gratefully acknowledged. Without their co-operation the compilation of this volume would not have been possible.

The total number of records printed in Part II of this volume is 5,044. As many as 320 additional records are included, while 318 records printed in *British Rainfall* 1951 have dropped out of the table.

The net loss in England was 10, and in Wales 3 while there was a gain in Scotland of 6 and in Northern Ireland of 5.

A number of additional rainfall records are included in this volume and the following are

of special interest: the record at the National Maritime Museum, Greenwich; that at the Road Research Laboratory, Harmondsworth; those at Longstone Barrow and Dunkery Beacon maintained by Mr. C. H. Archer and those in the Brendon Hills credited to Major R. A. Archer. Four additional records are included from the Yorkshire Ouse River Board, three from the Forestry Commission in the North Tyne, 20 from the North of Scotland Hydro-Electric Board, and four from the Shetlands. A record from Plynlimon is again included.

Rainfall records for earlier years were received from many sources. Among these may be mentioned the records kept at Woodhouse (Coisley Hill Works) since 1938, received from the General Manager, Sewage Disposal Department, Sheffield; at Ashampstead (Pyt House), on the hills to the west of Pangbourne, since 1946 from Captain F. M. Carlisle; at Bloxham, in the north of Oxfordshire, since 1947 from Mr. Frank S. Smith, and at Eridge Castle Gardens, near Tunbridge Wells for the years 1867 to 1870 received from Mr. G. A. Funnell. In addition the Director of Armagh Observatory forwarded the monthly totals for his record covering 1840 to 1929 after adjustment of the earlier years to form a homogeneous series.

INVESTIGATIONS. The annual article on the rainfall of the previous year appeared in *The Times* of January 12. The hydrological section has continued to study data relating to the complete hydrological cycle—rainfall, evaporation, percolation and run-off—in association with other interested bodies. An endeavour has been made to secure fuller and improved records of evaporation and percolation, and co-operation has been maintained with investigators whose practical requirements necessitate further studies of the water-balance.

The storm over Exmoor on August 15, 1952, was the subject of a special investigation reported in the *Meteorological Magazine* for December 1952. Information was supplied to the consulting engineer, Devon River Board, and this was used in his "Report on Lynmouth Floods, August 1952".

Discussions have taken place with representatives of the Department of Scientific and Industrial Research (Road Research Laboratory) on surface water drainage research. The traces from 55 recording raingauges within 20 miles of Kew (Surrey) were examined for the period April to October 1952 in order to study the rate of travel and area covered by intense falls of rain. It would be useful to carry out a similar examination for longer periods and for an even closer net-work of stations.

The Meteorological Office was represented on the British Rainfall Fund Committee of the Royal Meteorological Society and on the Hydraulics Committee of the Institution of Civil Engineers by Dr. J. Glasspoole, and on the Hydrological Research Group of the Institution of Water Engineers by both Dr. J. Glasspoole and Mr. A. Bleasdale. The Director of the Meteorological Office was also represented on the Hydrology Subcommittee of the National Committee for Geodesy and Geophysics (Royal Society).

The Assistant Director (Climatology) sat as an assessor on the Inland Water Survey Committee of the Ministry of Housing and Local Government and of the Scottish Office until it was suspended, in June 1952, on grounds of economy. Monthly and annual estimates of general rainfall, October 1945—September 1951, were prepared for a number of areas for the *Surface Water Year-Book of Great Britain*, the data for which were being assembled by the Inland Water Survey.

The Hydraulics Committee of the Institution of Civil Engineers has been preparing a review outlining recent developments in the fields of (*a*) Rainfall and run-off, (*b*) Flow in open channels and (*c*) Flow in closed pipes. The Hydrological Research Group of the Institution of Water Engineers prepared a symposium on hydrology summarizing present knowledge, which was published in the Journal for May 1953 under the main headings

of (1) Hydrological Measurements, (2) Estimation of Yield (Overground), (3) Estimation of Yield (Underground) and (4) Some Observations on Pumping Tests carried out on Chalk Wells.

A start was made with the preparation of rainfall averages for the period 1916-50.

RIVER BOARDS. A study has been made of the representative distribution of rainfall stations, which might be expected to remain permanent, for each of the 32 River Boards covering England and Wales. Recommendations have been prepared for some 20 areas and communicated to a number of the engineers concerned. Mention should be made of the Yorkshire Ouse River Board area where substantial progress has been made in securing representative readings for localities hitherto but poorly covered. About half the River Boards have been supplied with rainfall maps and data month by month.

INSPECTIONS. During the year rain-gauges were included in the inspection of about 150 climatological stations. In addition it was only possible to inspect about 40 rainfall stations. These were distributed near the Black Mountains of Brecknockshire, in Lanarkshire and Dumfriesshire and around Kinlochleven.

INQUIRIES. As in previous years inquiries regarding rainfall in various parts of the country covered a very wide field. They included many requests for records defining the rainfall experienced during specified periods in particular localities, the supply of estimates of the average annual and monthly rainfall over specified areas, advice on the provision of equipment and the best exposure for rain-gauges.

Information was supplied monthly for publication in *Water and Water Engineering* and the *Meteorological Magazine* while monthly reports on the rainfall of Great Britain and Northern Ireland were furnished to the British Waterworks Association and to certain Government Departments. Detailed reports were supplied each month to the Metropolitan Water Board and the Thames and Lee Conservancies. A comprehensive annual report was also prepared for the Metropolitan Water Board. The regular monthly issue of rainfall maps and data to industrial firms, Government Departments, consulting engineers, local authorities and numerous River and Conservancy Boards was extended.

The Office in Edinburgh dealt with numerous inquiries from legal and insurance firms and water supply authorities. Advice was given to the Scottish Departments of Agriculture and Health, County Planning Authorities and the Hydro-Electric Board. Data were also supplied to the Registrar-General for Scotland and to various industrial concerns.

| Name | Last place of observation | No. of years' records |
|---|---|---|
| Mr. H. H. Harding | Frampton Cotterell, Gloucestershire | 58 |
| Mr. E. W. Hussey | Scotney Castle, Kent | 55 |
| Sir Frederick Berryman | Shepton Mallet, Somerset | 51 |
| Mr. J. Arnold Whitchurch | Great Barford, Bedfordshire | 50 |
| Dr. T. Edmondston Saxby, O.B.E. | Baltasound, Shetland Islands | 45 |
| Mr. M. J. Lipscomb | Bath, Somerset | 45 |
| Mr. V. B. Longhurst | Guildford, Surrey | 44 |
| Rev. T. R. Price, M.A. | Lewisham, London | 42 |
| Mr. Theodore Gibbins | Neath, Glamorgan | 41 |
| Mr. A. Y. Barker | Pateley Bridge, Yorkshire | 38 |
| Mr. A. Pettipher | Buckinghamshire | 36 |
| Mr. A. T. Miller | Swanley, Kent | 31 |

OBITUARY. During the twelve months ending June 30, 1953, reports were received of the deaths of 53 observers who had contributed to volumes of *British Rainfall.* Of these, 12 kept rainfall records for 30 years or more. A list of these is given on page 3.

Mr. H. H. Harding contributed rainfall returns from 1892 to 1906 from Fishponds, Bristol, and from Frampton Cotterell from 1907 until his death at the age of 83 in March 1953. Climatological returns were forwarded from 1942. Mr. Harding stopped observing in 1950, but the observations have been continued by his son Mr. A. G. Harding. Mr. H. H. Harding was senior Fellow of the Royal Meteorological Society.

Mr. E. W. Hussey assisted his father, Mr. Edward Hussey, in rainfall observing at Scotney Castle (to the east of Tunbridge Wells) from 1873 until 1897, and then took over responsibility until failing health forced him to discontinue. Until his death in October 1952 he maintained his interest in the record which it is hoped will be continued by Mr. Christopher Hussey.

Sir Frederick Berryman, who died in December 1952, had forwarded rainfall records from Shepton Mallet from 1901 to 1951. The record has been continued by his daughter Miss F. A. Berryman, who states that the exposure of the gauge has not been altered since it was inspected by the Meteorological Office in 1917.

Mr. J. Arnold Whitchurch commenced forwarding rainfall records from Great Barford House, St. Neots, in 1903 and continued until shortly before his death in February 1953.

Dr. T. Edmondston Saxby commenced to take climatological observations at Baltasound in 1904, sending returns first to the Scottish Meteorological Society and then to the Meteorological Office. The maintenance of so continuous a record by one engaged in medical practice must have been difficult. In spite of failing health Dr. Saxby contributed full climatological observations until the middle of 1950 and some of them up to a few months before his death in October 1952.

Mr. M. J. Lipscombe who died in February 1953, sent returns from Bath, from Monkton Combe for the years 1907 to 1936, and from Bathwick Hill for the years 1937 to 1951.

Mr. Vernon B. Longhurst forwarded returns from Woking from 1908 to 1940 and from Guildford from 1941 to 1951. He died suddenly in January 1952.

The Rev. T. R. Price forwarded returns from Lilbourne Vicarage, to the east of Rugby, 1907 to 1913; from Westcombe Park, near Greenwich, 1917 to 1934, and then from Catford Hill, Lewisham, until 1952, apart from a break in 1944 owing to war damage when the record was also destroyed. The record is being continued at Lewisham by Miss D. Norton.

Mr. Theodore Gibbins commenced rainfall records at Glynfelin, Neath, in 1911, and forwarded returns regularly until 1951.

Mr. A. Y. Barker sent returns regularly from Kettleshulme, near Whaley Bridge, from 1915 to 1935; from Ravensgill Lodge, Pateley Bridge until 1939 and then from Low Laithe, also near Pateley Bridge, until October 1952.

Mr. A. Pettipher supplied records for Abingdon for the years 1903 to 1909 and for Buckingham from 1924 until his death in November 1952. The return is being continued by Mr. Ralph Davis at Sandpit Farm, Buckingham.

Mr. A. T. Miller commenced records at Wested Farm in 1921 and in 1927 forwarded a return also from Keston Court Farm. The returns since 1951 have been received from A. T. Miller (Swanley) Ltd.

# 2 The Distribution of Rain in Time

## THE NUMBER OF RAIN-DAYS AND WET-DAYS IN 1952

To obtain a homogeneous series of statistics the following definitions are used in *British Rainfall:*

A **rain-day** is a period of 24 hours, commencing normally at 9 a.m., during which ·01 in. or 0·2 mm. or more of rain is recorded.

A **wet-day** is a period of 24 hours, commencing normally at 9 a.m., during which ·04 in. or 1·0 mm. or more of rain is recorded.

The former definition dates from the year 1865; the latter was adopted in 1919. It must be understood that whenever these terms are used in this publication, the meanings set out above are attached to them.

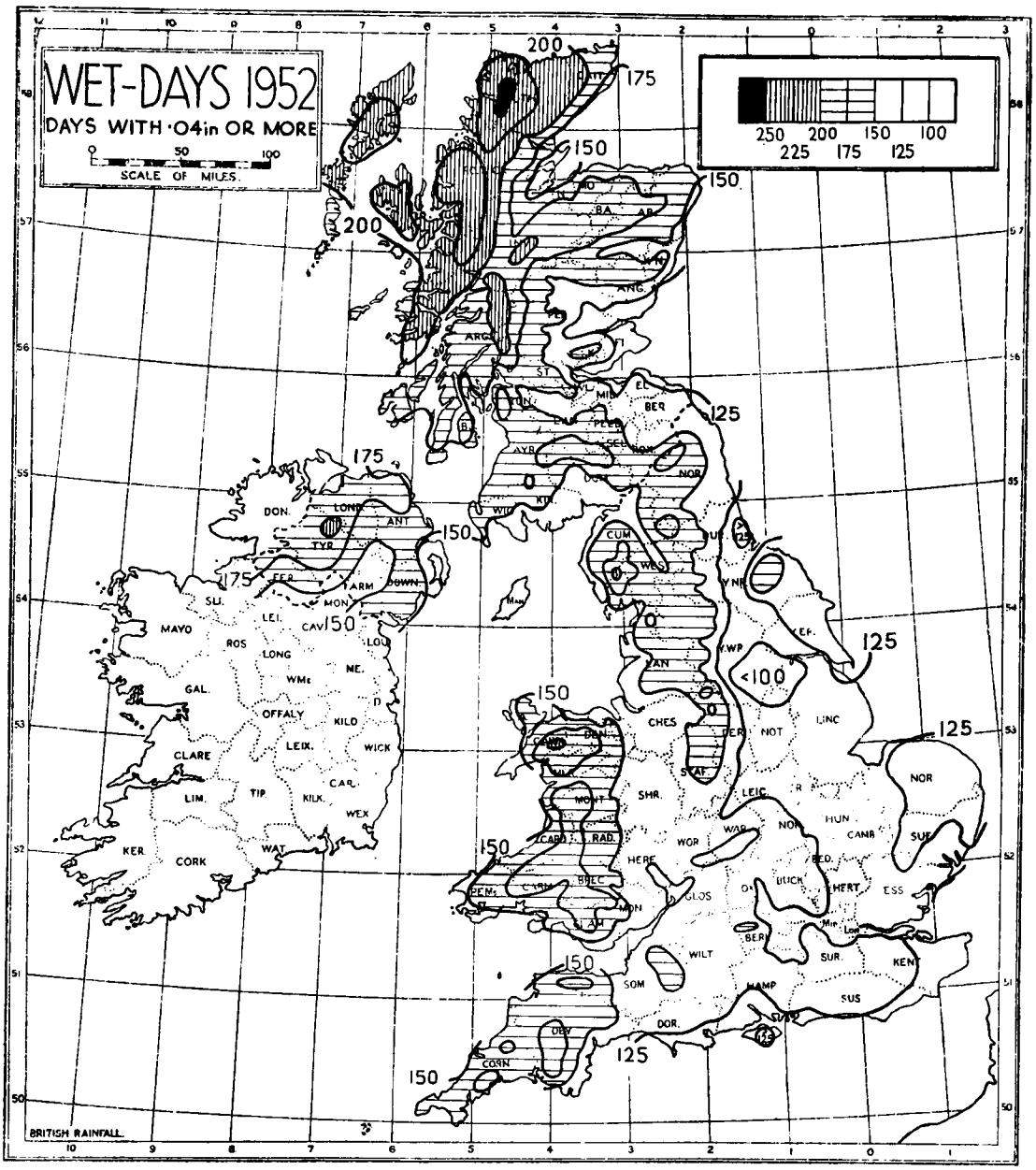
Maps showing the annual distribution of wet-days over the country have been included in *British Rainfall* since 1919. Maps showing the distribution of annual and monthly average numbers of rain-days were published in the *Quarterly Journal of the Royal Meteorological Society*, 1928, pp. 89–101, but similar maps of wet-days have not yet been prepared.

Information as to the number of rain-days and wet-days in 1952 is set out in this volume in various forms. The General Table of rainfall shows the annual numbers of rain-days and wet-days at stations where daily observations are recorded. The distribution of the number of wet-days is shown on the map reproduced on p. 6.

A comparison of the number of wet-days over England and Wales in each month of 1952 with corresponding figures for the previous 10 years and also with the average values for 30 years (1919–1948) is facilitated by Table 2A.

To study the distribution of rain-days and wet-days throughout the year, 82 stations have been selected to represent as uniformly as possible conditions over Great Britain and Northern Ireland. The same stations have been used in the preparation of Table 3C, Droughts and Dry Spells, and of Table 4C, Rain Spells and Wet Spells. The numbers of rain-days and wet-days recorded at these stations are given in Table 2B. The monthly mean values for England and Wales, Scotland and Northern Ireland are shown in the table. Computed average numbers of rain-days for the period 1881–1915 are also given for England and Wales and for Scotland for purposes of comparison. The monthly rainfall amounts for the 82 stations are included in Table 8C.

The map of the annual number of wet-days in 1952 shows a distribution which, in the main, is similar to that in earlier years. Broadly speaking the number of wet-days




increases from the south-east to the north-west and from the plains of the east coast to the mountainous regions of the west.

The number of wet-days in 1952 over England and Wales as a whole, 135, was 3 fewer than the average and 19 less than in the previous year. Scotland had 170 wet-days, 4 fewer than the average and 8 less than the previous year. Northern Ireland's total of 160 wet-days was the smallest since 1941 with 158 wet-days.

In 1952 there were fewer than 100 wet-days to the east of the Pennines from Wakefield to Goole. Many mountainous districts in the west—in North Wales, the English Lake District, the north-west of Scotland and in Northern Ireland—experienced more than 200 days. Totals at the selected stations ranged from 96 at Wakefield to 244 at Loch Shin in the north of Scotland.

The number of rain-days over England and Wales as a whole was 186, or 2 less than the

average, but over Scotland there were 223, or 6 more than average. Compared with the previous year, 1952 had 16 fewer rain-days over England and Wales, 5 fewer over Scotland and 11 fewer over Northern Ireland. The range over Great Britain and Northern Ireland at the selected stations was from 150 at Wakefield and 151 at Mansfield to 294 at Loch Shin in the north of Scotland. Areas with fewer than 175 rain-days were widespread in the eastern half of England south of the Plain of York, and around the Firths of Tay and Forth, while those with 275 rain-days were confined to the north-west of Scotland.

The months with the greatest number of rain-days generally over England and Wales were December and January with 21 and 20 respectively. The number in December has not been exceeded in that month since 1934. July and February had the fewest rain-days, 9 and 11 respectively. The only years with fewer than 9 rain-days in July since 1917, were 1921 and 1935 with 6 and 8 respectively. Over Scotland the greatest number of rain-days occurred in December with 24, or 3 more than average, and the fewest in April with 14, or 2 less than the average for the month. Over Northern Ireland the range was from 26 in December to 13 in February.

The month with the greatest number of wet-days was generally December. February and July had fewest over England and Wales, April over Scotland and February over Northern Ireland.

Rain occurred on 30 days in December at Loch Shin, in the north of Scotland, when all but one ranked as a wet-day. There were only 3 rain-days at Dover during July, of which 2 counted as wet-days. Ross-on-Wye recorded only 2 wet-days for February.

**Table 2A Monthly Number of Wet-Days (Days with ·04 inch or more) over England and Wales 1942–1952**

| Year | Jan. | Feb. | Mar. | April | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1942 | 14 | 5 | 10 | 7 | 13 | 3 | 11 | 14 | 12 | 13 | 7 | 17 | 126 |
| 1943 | 20 | 8 | 5 | 8 | 10 | 10 | 9 | 14 | 12 | 12 | 15 | 8 | 131 |
| 1944 | 13 | 9 | 4 | 9 | 6 | 11 | 11 | 9 | 13 | 16 | 19 | 12 | 132 |
| 1945 | 13 | 13 | 6 | 8 | 13 | 14 | 8 | 10 | 11 | 10 | 5 | 15 | 126 |
| 1946 | 12 | 12 | 7 | 8 | 10 | 15 | 10 | 16 | 16 | 6 | 18 | 16 | 146 |
| 1947 | 14 | 8 | 20 | 11 | 11 | 11 | 11 | 2 | 9 | 5 | 12 | 12 | 126 |
| 1948 | 22 | 10 | 6 | 9 | 9 | 15 | 8 | 14 | 9 | 11 | 9 | 13 | 135 |
| 1949 | 9 | 7 | 7 | 9 | 10 | 4 | 6 | 7 | 6 | 15 | 16 | 14 | 110 |
| 1950 | 7 | 16 | 8 | 15 | 9 | 8 | 12 | 16 | 18 | 9 | 18 | 13 | 149 |
| 1951 | 15 | 17 | 17 | 12 | 12 | 7 | 7 | 16 | 11 | 6 | 20 | 14 | 154 |
| 1952 | 15 | 6 | 11 | 10 | 10 | 9 | 6 | 12 | 13 | 14 | 13 | 16 | 135 |
| Average* | 15 | 11 | 10 | 11 | 10 | 9 | 11 | 11 | 11 | 12 | 13 | 14 | 138 |

* Average for 30 years, 1919–1948.

## Table 2B Number of Rain-days (·01 in. or more) and of Wet-days (·04 in. or more) in 1952

| County and River Division | Station | Jan. | Feb. | Mar. | Apr. | May | Jun. | Jul. | Aug. | Sep. | Oct. | Nov. | Dec. | Year | Total Rainfall |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ENGLAND AND WALES | | | | | | | | | | | | | | | in. |
| London ....2 | St. Pancras (Camden Square) | 15 10 | 10 7 | 19 10 | 14 9 | 12 9 | 11 8 | 5 4 | 12 11 | 15 10 | 16 12 | 15 10 | 18 13 | 162 113 | 24·26 |
| Kent .....1 | Dover (Waterloo Crescent).. | 21 16 | 10 6 | 19 13 | 10 6 | 11 7 | 11 6 | 3 2 | 11 11 | 21 18 | 16 9 | 16 13 | 18 14 | 167 121 | 29·93 |
| ,, .....4 | Edenbridge (Falconhurst) ... | 24 14 | 8 7 | 18 14 | 10 9 | 10 9 | 9 9 | 4 4 | 14 12 | 18 13 | 18 12 | 13 12 | 17 13 | 163 130 | 29·43 |
| Sussex.....3 | Worthing (Beach House Park) | 22 15 | 10 7 | 21 14 | 13 8 | 13 10 | 8 5 | 8 4 | 15 11 | 17 13 | 18 13 | 13 11 | 17 14 | 175 125 | 28·54 |
| Hampshire .1 | Ventnor Park ..... | 24 16 | 9 5 | 15 12 | 13 9 | 13 10 | 9 6 | 7 5 | 12 11 | 17 15 | 19 15 | 14 12 | 19 14 | 171 130 | 36·51 |
| ,, ..4 | Calshot ..... | 20 14 | 9 3 | 17 13 | 11 9 | 15 10 | 10 7 | 6 3 | 13 8 | 14 10 | 17 13 | 13 10 | 16 11 | 161 111 | 27·75 |
| ,, ..7 | Selborne (The Wakes) ..... | 20 16 | 9 6 | 22 16 | 16 10 | 16 13 | 10 8 | 8 5 | 17 14 | 15 12 | 20 16 | 16 11 | 21 14 | 190 141 | 36·41 |
| Hertford....2 | Harpenden (Rothamsted) ... | 18 13 | 11 6 | 21 12 | 15 10 | 12 10 | 12 7 | 5 3 | 14 11 | 19 13 | 16 11 | 18 13 | 19 15 | 180 124 | 27·91 |
| Oxford ....3 | Oxford (Radcliffe Met. Stn.). | 17 12 | 11 4 | 17 10 | 18 12 | 16 10 | 12 9 | 6 3 | 16 11 | 19 9 | 19 16 | 18 10 | 20 13 | 189 119 | 25·87 |
| Northampton4 | Wellingborough (Swanspool). | 17 13 | 9 6 | 20 15 | 14 13 | 16 13 | 12 8 | 6 3 | 14 10 | 20 12 | 16 10 | 17 11 | 20 13 | 181 127 | 25·81 |
| Huntingdon 1 | Whittlesea Mere ..... | 15 10 | 8 4 | 18 13 | 13 11 | 13 9 | 11 8 | 4 2 | 11 10 | 16 11 | 12 10 | 17 12 | 20 12 | 158 112 | 19·72 |
| Cambridge..2 | Cambridge (Botanic Gardens) | 19 13 | 8 5 | 19 12 | 14 9 | 13 7 | 12 6 | 6 5 | 12 10 | 15 10 | 15 12 | 15 11 | 19 15 | 167 115 | 22·09 |
| Essex .....3 | Shoeburyness ..... | 20 13 | 10 6 | 17 14 | 10 6 | 12 5 | 9 6 | 6 3 | 11 8 | 17 11 | 16 9 | 17 14 | 21 11 | 166 106 | 23·25 |
| ,, .....5 | Halstead (The Brewery) .... | 19 15 | 9 4 | 18 15 | 12 10 | 10 7 | 13 9 | 6 3 | 14 13 | 12 10 | 15 13 | 18 13 | 21 14 | 167 126 | 23·77 |
| Suffolk ....4 | Lowestoft (Secondary School) | 21 15 | 13 11 | 17 12 | 11 8 | 13 5 | 11 10 | 7 7 | 13 11 | 16 11 | 17 12 | 23 18 | 20 14 | 182 134 | 26·86 |
| Norfolk ....3 | Hunstanton ..... | 19 12 | 12 7 | 15 12 | 12 9 | 12 9 | 10 5 | 8 4 | 12 9 | 20 14 | 13 9 | 18 11 | 21 15 | 172 116 | 20·32 |
| Devon, S....5 | Teignmouth (Den Gardens) . | 20 15 | 7 4 | 14 11 | 20 18 | 13 11 | 9 8 | 8 4 | 14 11 | 16 12 | 18 16 | 20 14 | 22 16 | 181 140 | 34·68 |
| Devon, N. ..1 | Ilfracombe (Bowling Green).. | 24 19 | 10 7 | 18 10 | 16 14 | 14 12 | 11 9 | 9 5 | 17 12 | 21 14 | 17 15 | 20 12 | 23 20 | 200 149 | 45·33 |
| Cornwall ...1 | Bude (School House) ..... | 20 16 | 13 8 | 16 12 | 16 14 | 17 12 | 11 9 | 11 6 | 18 16 | 22 18 | 19 15 | 19 17 | 24 22 | 206 165 | 38·03 |
| ,, ....2 | St.Austell(Poltair PublicGdns.) | 25 22 | 13 12 | 17 15 | 17 16 | 18 11 | 12 6 | 10 7 | 17 15 | 21 19 | 23 17 | 15 14 | 25 23 | 213 177 | 49·15 |
| ,, ....4 | Scilly (Tresco Abbey) ..... | 24 18 | 11 7 | 20 12 | 16 12 | 12 9 | 14 8 | 14 8 | 16 15 | 21 18 | 20 14 | 24 19 | 26 22 | 218 162 | 37·15 |
| Somerset ...1 | Bath (Henrietta Park) ..... | 17 14 | 12 6 | 17 13 | 14 12 | 15 12 | 10 6 | 9 4 | 15 14 | 16 11 | 19 15 | 16 11 | 20 14 | 180 132 | 36·34 |
| ,, ...3 | Taunton (Vivary Park)..... | 18 14 | 10 7 | 13 10 | 17 11 | 13 12 | 12 8 | 7 4 | 17 11 | 21 13 | 19 15 | 18 13 | 23 16 | 188 134 | 32·93 |
| Hereford ...1 | Ross-on-Wye ..... | 16 9 | 5 2 | 18 11 | 17 11 | 15 14 | 12 9 | 4 3 | 16 15 | 11 8 | 17 16 | 18 11 | 18 9 | 167 118 | 28·23 |
| Shropshire ..3 | Shrewsbury (Monkmore).... | 21 15 | 10 4 | 13 9 | 18 12 | 14 13 | 13 9 | 9 5 | 14 11 | 18 13 | 18 14 | 19 10 | 20 13 | 187 128 | 22·61 |
| Warwick ...1 | Leamington Spa (Pump Room Gardens)..... | 13 11 | 5 5 | 15 8 | 13 10 | 17 14 | 14 9 | 5 3 | 17 12 | 18 8 | 15 13 | 15 11 | 19 13 | 166 117 | 23·80 |
| Leicester....4 | Loughbor'gh(Nanpantan Res.) | 17 14 | 8 5 | 17 12 | 13 11 | 17 13 | 15 11 | 6 3 | 15 10 | 15 9 | 13 12 | 13 12 | 19 14 | 168 126 | 25·22 |
| Lincoln.....3 | Horncastle ..... | 19 12 | 14 5 | 23 12 | 12 9 | 12 7 | 13 9 | 7 4 | 10 8 | 20 15 | 16 8 | 15 13 | 23 14 | 184 116 | 24·41 |
| Nottingham.5 | Mansfield (Carr Bank) ..... | 15 12 | 7 4 | 15 11 | 11 7 | 16 14 | 12 9 | 4 3 | 12 10 | 16 15 | 14 14 | 14 10 | 15 10 | 151 119 | 23·04 |
| Cheshire ...2 | Northwich (Hunts Lock) ... | 18 15 | 10 6 | 15 9 | 16 11 | 16 11 | 14 12 | 13 10 | 13 10 | 20 13 | 21 16 | 16 10 | 24 18 | 196 141 | 28·61 |
| ,, ....3 | Birkenhead (Bidston Obsy.).. | 20 13 | 10 6 | 10 9 | 9 7 | 13 10 | 15 10 | 12 7 | 13 8 | 15 14 | 18 14 | 15 13 | 23 13 | 173 124 | 25·94 |
| Lancs, C. ..1 | Squires Gate Airport ..... | 18 14 | 10 5 | 11 8 | 11 8 | 16 10 | 13 12 | 8 6 | 12 9 | 15 14 | 20 16 | 13 10 | 22 16 | 169 128 | 30·71 |

## Table 2B Number of Rain-days (·01 in. or more) and of Wet-days (·04 in. or more) in 1952 (*continued*)

| County and River Division | Station | Jan. | Feb. | Mar. | Apr. | May | Jun. | Jul. | Aug. | Sep. | Oct. | Nov. | Dec. | Year | Total Rainfall |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ENGLAND AND WALES (*continued*) | | | | | | | | | | | | | | | in. |
| Yorks, W.R.8 | Wakefield (Clarence Park)... | 16 13 | 7 4 | 15 8 | 8 6 | 10 7 | 10 6 | 10 5 | 8 7 | 18 10 | 18 12 | 13 6 | 17 12 | 150 96 | 18·18 |
| „ E.R...3 | Hull (Pearson Park) ..... | 18 10 | 11 4 | 19 14 | 11 8 | 10 8 | 13 10 | 11 7 | 10 8 | 15 11 | 17 9 | 24 16 | 23 17 | 182 122 | 23·84 |
| „ N.R...2 | Felixkirk (Mount St. John).. | 20 11 | 13 7 | 15 7 | 12 10 | 11 5 | 15 8 | 13 9 | 12 10 | 22 15 | 18 12 | 16 9 | 23 14 | 190 117 | 25·08 |
| „ N.R...5 | Scarborough ..... | 22 17 | 15 8 | 16 13 | 11 7 | 11 7 | 14 7 | 16 10 | 11 8 | 24 19 | 20 10 | 22 17 | 22 17 | 204 140 | 27·18 |
| Durham....2 | Durham (Houghall Hort. Stn.) | 19 13 | 9 4 | 14 9 | 12 7 | 9 5 | 12 8 | 11 4 | 13 9 | 23 18 | 21 13 | 18 13 | 19 16 | 180 119 | 24·37 |
| Northumb...6 | Ilderton (Lilburn Tower Gdns). | 20 15 | 10 6 | 17 9 | 11 6 | 11 8 | 16 11 | 14 9 | 18 14 | 22 19 | 23 17 | 21 20 | 24 16 | 207 150 | 32·20 |
| Cumberland 1 | Geltsdale ..... | 18 18 | 11 6 | 14 9 | 18 11 | 8 6 | 16 12 | 22 19 | 23 16 | 22 15 | 22 16 | 19 16 | 21 18 | 214 162 | 34·63 |
| „ 2 | Keswick (High Hill) ..... | 18 16 | 11 7 | 12 10 | 16 12 | 12 9 | 16 12 | 19 17 | 21 18 | 19 16 | 18 14 | 14 11 | 23 18 | 199 160 | 51·38 |
| „ 3 | Ravenglass (The Grove) .... | 19 13 | 11 9 | 11 9 | 15 11 | 13 8 | 15 13 | 20 13 | 17 15 | 16 12 | 18 14 | 12 9 | 23 16 | 190 142 | 36·77 |
| Glamorgan .6 | Treherbert (Tyn-y-waun) .... | 24 19 | 12 10 | 18 15 | 17 15 | 18 13 | 13 12 | 9 8 | 20 19 | 19 11 | 18 17 | 19 14 | 23 20 | 210 173 | 81·50 |
| Carmarthen 2 | Llanddeusant (Pontcrynfe) .. | 25 22 | 14 11 | 15 11 | 16 14 | 16 14 | 16 12 | 10 5 | 18 15 | 15 9 | 20 16 | 26 19 | 26 20 | 217 168 | 51·31 |
| Pembroke . .4 | Tenby (The Priory) ..... | 27 17 | 13 4 | 16 11 | 18 18 | 16 12 | 12 9 | 9 4 | 15 12 | 17 11 | 16 12 | 17 14 | 24 23 | 200 147 | 41·34 |
| Radnor ....1 | Birmingham W. W. (Tyrm'dd) | 26 20 | 18 10 | 22 11 | 19 13 | 17 14 | 18 11 | 13 8 | 23 19 | 23 18 | 20 17 | 23 16 | 24 21 | 246 178 | 56·45 |
| Montgomery 5 | Lake Vyrnwy (Exper. Station) | 23 20 | 16 8 | 15 11 | 21 12 | 17 14 | 15 12 | 13 7 | 22 17 | 22 15 | 20 17 | 18 15 | 24 22 | 226 170 | 57·75 |
| Merioneth .5 | Aberdovey (Plâs Penhelig)... | 26 18 | 16 10 | 14 11 | 13 10 | 15 12 | 17 14 | 12 11 | 17 13 | 16 11 | 17 15 | 21 15 | 25 18 | 209 158 | 41·52 |
| Anglesey .. | Llanerchymedd (Llwydiarth Esgob)..... | 23 18 | 15 10 | 13 7 | 13 12 | 12 9 | 15 12 | 11 7 | 14 9 | 20 17 | 17 17 | 19 17 | 24 20 | 196 155 | 37·58 |
| **England and Wales** | **Mean of 48 Stations** ..... | **20** 15 | **11** 6 | **16** 11 | **14** 10 | **14** 10 | **13** 9 | **9** 6 | **15** 12 | **18** 13 | **18** 14 | **17** 13 | **21** 16 | **186** 135 | .. |
| | **Average (1881–1915)** ..... | **18** .. | **15** .. | **16** .. | **14** .. | **14** .. | **13** .. | **14** .. | **16** .. | **13** .. | **18** .. | **18** .. | **19** .. | **188** .. | .. |
| ISLE OF MAN | Douglas (Borough Cemetery) | 21 14 | 10 7 | 9 8 | 13 9 | 14 12 | 12 9 | 12 8 | 12 11 | 17 13 | 19 15 | 16 15 | 24 20 | 179 141 | 39·17 |
| SCOTLAND | | | | | | | | | | | | | | | |
| Wigtown ...1 | Castle Kennedy (Lochinch).. | 22 19 | 12 8 | 12 11 | 15 10 | 14 11 | 16 13 | 20 16 | 18 13 | 14 12 | 23 16 | 13 13 | 20 18 | 199 160 | 38·08 |
| Kirkcudbr'ht 5 | Lochrutton (Dumfries W.W.) | 21 15 | 11 8 | 15 8 | 18 13 | 12 8 | 16 9 | 17 10 | 17 14 | 12 8 | 17 15 | 14 13 | 25 20 | 195 141 | 39·94 |
| Peebles ....2 | Stobo Castle ..... | 14 13 | 9 7 | 17 12 | 15 10 | 9 8 | 14 13 | 15 14 | 21 16 | 21 14 | 22 19 | 18 13 | 24 20 | 199 159 | 33·37 |
| Berwick ....4 | Marchmont House ..... | 17 12 | 9 5 | 17 10 | 10 6 | 11 8 | 14 10 | 14 9 | 18 14 | 18 14 | 24 14 | 18 14 | 23 15 | 193 131 | 28·95 |
| Lanark ....5 | Strathaven (Kype Res.)..... | 17 16 | 11 10 | 16 12 | 17 14 | 15 9 | 16 14 | 16 15 | 20 17 | 16 12 | 22 18 | 15 13 | 25 19 | 206 169 | 42·60 |
| Renfrew ...3 | Greenock (Prospect Hill) ... | 19 17 | 15 12 | 13 11 | 15 13 | 14 7 | 20 14 | 16 13 | 18 15 | 13 9 | 22 19 | 15 12 | 22 20 | 202 162 | 53·79 |
| Stirling ....1 | Falkirk (Arnotdale) ..... | 18 14 | 10 5 | 14 8 | 11 7 | 10 6 | 16 11 | 13 11 | 16 11 | 12 8 | 16 12 | 18 13 | 16 13 | 170 119 | 29·96 |
| Argyll ....11 | Inveraray Castle Gardens ... | 18 16 | 17 15 | 11 11 | 16 15 | 15 11 | 22 19 | 18 16 | 23 18 | 17 12 | 21 20 | 15 13 | 24 22 | 217 188 | 69·32 |
| „ ....14 | Islay (Eallabus) ..... | 23 20 | 19 15 | 12 11 | 12 11 | 9 8 | 17 16 | 22 20 | 20 17 | 17 11 | 18 17 | 18 14 | 23 19 | 210 179 | 46·96 |
| „ ....14 | Mull (Gruline) ..... | 26 24 | 24 22 | 15 14 | 15 14 | 19 14 | 25 18 | 22 19 | 22 16 | 19 15 | 22 22 | 18 15 | 26 24 | 253 217 | 73·68 |

## Table 2B Number of Rain-days (·01 in. or more) and of Wet-days (·04 in. or more) in 1952 (*concluded*)

| County and River Division | Station | Jan. | Feb. | Mar. | Apr. | May | Jun. | Jul. | Aug. | Sep. | Oct. | Nov. | Dec. | Year | Total Rainfall. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SCOTLAND (*continued*) | | | | | | | | | | | | | | | in. |
| Argyll ....14 | Tiree Airport ..... | 27 21 | 22 13 | 13 11 | 18 15 | 13 6 | 21 17 | 21 16 | 16 11 | 19 15 | 21 18 | 18 13 | 25 23 | 234 179 | 40·42 |
| Fife .....3 | Leuchars Airfield ..... | 13 7 | 6 3 | 15 9 | 8 3 | 10 9 | 14 12 | 13 7 | 12 10 | 13 7 | 19 10 | 13 10 | 18 14 | 154 101 | 20·52 |
| Perth.....11 | Aberfeldy (Tigh'n Eilean) ... | 19 13 | 12 5 | 11 10 | 13 8 | 11 9 | 14 11 | 14 8 | 14 12 | 14 8 | 21 17 | 13 9 | 18 13 | 174 123 | 28·47 |
| Aberdeen ..1 | Braemar (Bank)..... | 21 14 | 17 12 | 18 10 | 13 8 | 18 14 | 18 13 | 15 8 | 19 11 | 18 9 | 24 23 | 22 12 | 23 17 | 226 151 | 30·75 |
| ,, ...2 | Dyce (Craibstone) ..... | 19 13 | 15 11 | 16 12 | 9 8 | 15 11 | 21 15 | 16 11 | 19 15 | 19 11 | 21 11 | 25 16 | 20 15 | 215 149 | 33·01 |
| ,, ...4 | Peterhead (Forehill Works).. | 19 16 | 15 11 | 15 11 | 9 7 | 13 13 | 19 16 | 18 10 | 12 9 | 23 14 | 21 12 | 25 15 | 20 13 | 209 147 | 28·74 |
| Moray .....2 | Fochabers (Gordon Castle).. | 19 19 | 12 11 | 16 14 | 8 8 | 14 13 | 18 11 | 16 13 | 22 19 | 24 20 | 19 13 | 21 16 | 18 16 | 207 175 | 30·69 |
| Nairn .....2 | Nairn (Achareidh) ..... | 16 12 | 16 8 | 17 11 | 11 7 | 14 9 | 17 12 | 19 11 | 19 15 | 22 15 | 18 14 | 24 17 | 22 17 | 215 148 | 20·78 |
| Inverness ...2 | Dalwhinnie..... | 21 13 | 18 8 | 20 13 | 13 12 | 16 12 | 21 15 | 19 13 | 18 13 | 19 14 | 23 20 | 17 12 | 24 17 | 229 162 | 40·13 |
| ,, ...6 | Loch Ness (Garthbeg)..... | 22 17 | 20 13 | 19 13 | 12 12 | 16 12 | 21 15 | 21 17 | 23 17 | 28 20 | 24 18 | 21 17 | 29 22 | 256 193 | 39·47 |
| ,, ..17 | Fort William (Teviot)..... | 22 19 | 23 17 | 14 12 | 16 14 | 16 10 | 23 17 | 19 16 | 22 18 | 17 9 | 19 16 | 16 12 | 27 22 | 234 182 | 66·91 |
| ,, ..18 | Skye (Broadford) ..... | 24 22 | 25 20 | 18 15 | 19 14 | 16 12 | 28 19 | 23 16 | 20 15 | 20 17 | 22 20 | 22 17 | 27 25 | 264 212 | 71·08 |
| Ross and Cromarty7 | Inverbroom (Glackour) .... | 26 23 | 24 18 | 19 14 | 17 13 | 16 11 | 26 19 | 24 18 | 23 16 | 23 19 | 20 18 | 25 21 | 26 25 | 269 215 | 67·33 |
| ,, ,, 10 | Stornoway Airport ..... | 28 23 | 25 17 | 23 18 | 17 12 | 19 13 | 25 14 | 24 18 | 19 17 | 24 17 | 21 18 | 24 16 | 29 25 | 278 208 | 44·66 |
| Sutherland .1 | Loch Shin (Corrykinloch) .. | 27 25 | 25 25 | 24 22 | 18 13 | 24 20 | 29 23 | 21 14 | 24 20 | 26 17 | 22 18 | 24 18 | 30 29 | 294 244 | 84·75 |
| ,, ..4 | Tongue ..... | 28 24 | 24 17 | 21 17 | 12 8 | 17 12 | 24 17 | 21 13 | 24 18 | 25 22 | 19 17 | 26 23 | 28 22 | 269 210 | 42·78 |
| Caithness ..2 | Wick Airport ..... | 22 20 | 18 14 | 20 12 | 13 5 | 17 12 | 21 14 | 20 14 | 18 11 | 26 18 | 20 15 | 25 21 | 26 17 | 246 173 | 32·33 |
| **Scotland.....** | **Mean of 27 Stations .....** | **21** 17 | **17** 12 | **16** 12 | **14** 10 | **15** 11 | **20** 15 | **18** 14 | **19** 15 | **19** 13 | **21** 17 | **19** 15 | **24** 19 | **223** 170 | .. |
| | **Average (1881–1915) .....** | **20** .. | **18** .. | **19** .. | **16** .. | **16** .. | **15** .. | **18** .. | **19** .. | **17** .. | **19** .. | **19** .. | **21** .. | **217** .. | .. |
| NORTHERN IRELAND | | | | | | | | | | | | | | | |
| Fermanagh .1 | Newtownbutler (Crom Castle) | 27 20 | 14 5 | 18 9 | 22 8 | 19 11 | 23 14 | 20 10 | 25 15 | 18 10 | 21 16 | 19 9 | 25 19 | 251 146 | 30·66 |
| ,, 1 | Belleek (Roscor) ..... | 28 22 | 15 11 | 14 13 | 19 14 | 17 14 | 19 14 | 20 17 | 21 20 | 17 13 | 21 19 | 21 13 | 26 23 | 238 193 | 43·23 |
| Armagh ....5 | Armagh Observatory ..... | 27 20 | 11 6 | 13 10 | 15 11 | 13 7 | 18 11 | 13 9 | 17 15 | 16 9 | 18 17 | 15 11 | 24 20 | 200 146 | 28·36 |
| Down .....4 | Donaghadee (Orlock Res.) .. | 21 18 | 7 5 | 11 6 | 15 10 | 10 7 | 15 12 | 12 10 | 19 12 | 19 12 | 16 11 | 13 11 | 24 16 | 182 130 | 27·17 |
| Antrim ....5 | Ballymena (Harryville) ..... | 26 22 | 17 9 | 16 9 | 13 12 | 13 8 | 17 13 | 19 13 | 22 14 | 18 13 | 25 17 | 19 16 | 27 22 | 232 168 | 38·64 |
| Tyrone ....3 | Omagh (Edenfel) ..... | 24 19 | 16 12 | 17 11 | 17 12 | 17 12 | 19 14 | 20 11 | 22 18 | 16 13 | 19 17 | 19 13 | 28 24 | 234 176 | 36·95 |
| **Northern Ireland ...** | **Mean of 6 Stations .....** | **25** 20 | **13** 8 | **15** 10 | **17** 11 | **15** 10 | **19** 13 | **17** 12 | **21** 16 | **17** 12 | **20** 16 | **18** 12 | **26** 20 | **223** 160 | .. |

# 3 Absolute Droughts, Partial Droughts and Dry Spells in 1952

The following definitions are used in *British Rainfall* in order to obtain a homogeneous series of statistics:

An **absolute drought** is a period of at least 15 consecutive days, to none of which is credited ·01 in. of rain or more.

A **partial drought** is a period of at least 29 consecutive days, the mean daily rainfall of which does not exceed ·01 in.

A **dry spell** is a period of at least 15 consecutive days, to none of which is credited ·04 in. of rain or more.

These terms are used in *British Rainfall* only in the senses stated. More concise definitions of two of these terms would be:—An *absolute drought* is a period of at least 15 days, none of which is a rain-day; a *dry spell* is a period of at least 15 days, none of which is a wet-day. The definitions of absolute drought and partial drought were introduced in *British Rainfall*, 1887, while that of dry spell was first used in *British Rainfall*, 1919.

Details are given in Table 3C of the absolute droughts, partial droughts and dry spells which occurred at the 82 selected stations of Table 2B. The monthly totals at these stations are included in Table 8C.

Of the selected stations, 24 did not record a drought or a dry spell during the year—1 in England, 21 in Scotland and 2 in Northern Ireland, and their names are omitted from Table 3C.

In tables 3A and 3B, the total numbers of droughts and dry spells recorded at the 82 stations in 1952 are compared with those in the nine preceding years. The tables show that 1952 gave the least number of partial droughts, while the number of dry spells was exceeded in 5 out of the previous 9 years and the number of absolute droughts in 6 out of the 9 years.

Absolute droughts were recorded at 18 stations in England, none in Wales, 1 in Scotland and 2 in Northern Ireland, making 21 in all out of the 82 selected stations. The drought between May 11 and 30 occurred at 14 stations. Other droughts occurred between February 14 and March 3, July 8 and August 1, August 12 and September 7 and November 21 and December 7. Three absolute droughts were recorded at Edenbridge, Ross-on-Wye and Wakefield, and the longest occurred at Ross-on-Wye, lasting 23 days from July 8 to 30.

The partial droughts were all confined to the eastern half of England and 9 of the total number, 11, occurred between June 15 and August 5, the longest being at Oxford and lasting from June 15 to July 31. There were two partial droughts at Wakefield, although the more widespread drought between June 15 and August 5 was not experienced there.

Of the 119 dry spells, 90 occurred in England, 14 in Wales, 2 in the Isle of Man, 7 in Scotland and 6 in Northern Ireland. No

dry spells were recorded during the year at stations in the north-western half of Scotland. Most of the dry spells occurred within the periods February 11 to March 3, May 9 to June 1, July 7 to August 3 and August 12 to September 19. Six stations recorded a dry spell lasting 23 days, from July 8 to 30 at Teignmouth, Taunton, Ross-on-Wye, Pontcrynfe and Tenby and from August 12 to September 3 at Wakefield. There were five dry spells at Wakefield covering 99 days in all, with only ·20 inch.

**Table 3A Droughts at 82 Stations, 1943–1952**

| Year | ABSOLUTE DROUGHTS* | | | | PARTIAL DROUGHTS† | | | |
|---|---|---|---|---|---|---|---|---|
| | Number at 82 Stations | Mean Duration | Longest | Stations without one | Number at 82 Stations | Mean Duration | Longest | Stations without one |
| | | Days | Days | | | Days | Days | |
| 1943 | 61 | 21 | 41 | 47 | 50 | 48 | 79 | 34 |
| 1944 | 25 | 17 | 21 | 62 | 42 | 41 | 66 | 52 |
| 1945 | 33 | 19 | 24 | 55 | 58 | 33 | 44 | 41 |
| 1946 | 57 | 17 | 25 | 36 | 50 | 34 | 59 | 42 |
| 1947 | 114 | 25 | 44 | 3 | 128 | 43 | 103 | 3 |
| 1948 | 29 | 17 | 23 | 57 | 44 | 38 | 54 | 44 |
| 1949 | 75 | 20 | 37 | 27 | 89 | 38 | 65 | 20 |
| 1950 | 41 | 16 | 21 | 49 | 15 | 36 | 42 | 68 |
| 1951 | 27 | 16 | 23 | 56 | 16 | 33 | 40 | 66 |
| 1952 | 32 | 17 | 23 | 61 | 11 | 37 | 47 | 72 |

* 15 days without a rain-day

† 29 days averaging not more than ·01 inch

**Table 3B Dry Spells‡ at 82 Stations, 1943–1952**

| Year | Number at 82 Stations | Mean Duration | Longest Spell | Number of Stations with | | | |
|---|---|---|---|---|---|---|---|
| | | | | None | 1 or 2 | 3 or 4 | 5 or more |
| | | Days | Days | | | | |
| 1943 .. .. | 129 | 22 | 47 | 28 | 27 | 27 | 0 |
| 1944 .. .. | 96 | 19 | 37 | 41 | 27 | 9 | 5 |
| 1945 .. .. | 125 | 20 | 35 | 14 | 52 | 16 | 0 |
| 1946 .. .. | 132 | 18 | 29 | 10 | 60 | 12 | 0 |
| 1947 .. .. | 179 | 25 | 53 | 1 | 51 | 30 | 0 |
| 1948 .. .. | 107 | 19 | 32 | 18 | 55 | 9 | 0 |
| 1949 .. .. | 162 | 22 | 55 | 12 | 42 | 26 | 2 |
| 1950 .. .. | 106 | 17 | 27 | 24 | 47 | 9 | 2 |
| 1951 .. .. | 94 | 18 | 32 | 12 | 66 | 4 | 0 |
| 1952 .. .. | 119 | 18 | 23 | 24 | 44 | 13 | 1 |

‡ 15 days without a wet-day

## Table 3c Droughts and Dry Spells in 1951

| County and River Division | Station | Absolute Droughts | | | Partial Droughts | | | | Dry Spells | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Began | Ended | Lasted | Began | Ended | Lasted | Rain | Began | Ended | Lasted | Rain |
| ENGLAND AND WALES | | | | days | | | days | in. | | | days | in. |
| London .....2 | St. Pancras (Camden Square) . | .. | .. | .. | .. | .. | .. | .. | Feb. 18 | Mar. 3 | 15 | ·01 |
| | | .. | .. | .. | .. | .. | .. | .. | May 13 | May 30 | 18 | ·03 |
| | | Jul. 18 | Aug. 1 | 15 | .. | .. | .. | .. | Jul. 18 | Aug. 1 | 15 | ·00 |
| | | .. | .. | .. | .. | .. | .. | .. | Aug. 20 | Sep. 6 | 18 | ·05 |
| Kent .....1 | Dover (Waterloo Crescent) .... | May 13 | May 29 | 17 | .. | .. | .. | .. | May 13 | May 29 | 17 | ·00 |
| | | .. | .. | .. | .. | .. | .. | .. | Jul. 12 | Jul. 31 | 20 | ·01 |
| „ .....4 | Edenbridge (Falconhurst) ..... | May 13 | May 29 | 17 | .. | .. | .. | .. | May 13 | May 29 | 17 | ·00 |
| | | Jul. 12 | Jul. 31 | 20 | .. | .. | .. | .. | Jul. 12 | Jul. 31 | 20 | ·00 |
| | | Aug. 20 | Sep. 4 | 16 | .. | .. | .. | .. | Aug. 20 | Sep. 6 | 18 | ·01 |
| Sussex .....3 | Worthing (Beach House Park) . | .. | .. | .. | .. | .. | .. | .. | Jul. 12 | Jul. 31 | 20 | ·03 |
| | | .. | .. | .. | .. | .. | .. | .. | Aug. 20 | Sep. 5 | 17 | ·05 |
| Hampshire .....1 | Ventnor Park ..... | .. | .. | .. | .. | .. | .. | .. | Feb. 15 | Mar. 2 | 17 | ·05 |
| | | .. | .. | .. | Jul. 4 | Aug. 5 | 33 | ·31 | .. | .. | .. | .. |
| | | .. | .. | .. | .. | .. | .. | .. | Aug. 20 | Sep. 3 | 15 | ·04 |
| „ ....4 | Calshot ..... | .. | .. | .. | .. | .. | .. | .. | Feb. 15 | Mar. 2 | 17 | ·02 |
| | | Jul. 12 | Jul. 29 | 18 | Jun. 18 | Aug. 1 | 45 | ·44 | Jul. 12 | Aug. 1 | 21 | ·01 |
| „ ....7 | Selborne (The Wakes) ..... | .. | .. | .. | .. | .. | .. | .. | Aug. 20 | Sep. 6 | 18 | ·07 |
| Hertford .....2 | Harpenden (Rothamsted) ..... | .. | .. | .. | .. | .. | .. | .. | Jul. 12 | Jul. 31 | 20 | ·01 |
| | | .. | .. | .. | .. | .. | .. | .. | Aug. 20 | Sep. 3 | 15 | ·03 |
| Oxford .....3 | Oxford (Radcliffe Met. Stn.) .. | .. | .. | .. | .. | .. | .. | .. | Feb. 18 | Mar. 3 | 15 | ·02 |
| | | .. | .. | .. | Jun. 15 | Jul. 31 | 47 | ·45 | Jul. 12 | Jul. 31 | 20 | ·01 |
| | | .. | .. | .. | .. | .. | .. | .. | Aug. 19 | Sep. 6 | 19 | ·04 |
| Northampton...4 | Wellingborough (Swanspool) .. | .. | .. | .. | .. | .. | .. | .. | Feb. 18 | Mar. 3 | 15 | ·04 |
| | | .. | .. | .. | .. | .. | .. | .. | Aug. 20 | Sep. 4 | 16 | ·07 |
| Huntingdon ...1 | Whittlesea Mere ..... | .. | .. | .. | .. | .. | .. | .. | Feb. 17 | Mar. 3 | 16 | ·06 |
| | | .. | .. | .. | Jun. 21 | Jul. 31 | 41 | ·40 | Jul. 12 | Jul. 31 | 20 | ·03 |
| | | .. | .. | .. | .. | .. | .. | .. | Aug. 20 | Sep. 4 | 16 | ·04 |
| Cambridge ....2 | Cambridge (Botanic Gardens) . | .. | .. | .. | .. | .. | .. | .. | Jul. 12 | Jul. 28 | 17 | ·02 |
| | | .. | .. | .. | .. | .. | .. | .. | Aug. 20 | Sep. 3 | 15 | 01 |
| Essex .....3 | Shoeburyness ..... | .. | .. | .. | .. | .. | .. | .. | Feb. 18 | Mar. 3 | 15 | ·01 |
| | | .. | .. | .. | .. | .. | .. | .. | May 11 | May 29 | 19 | ·04 |
| | | .. | .. | .. | Jul. 4 | Aug. 1 | 29 | ·26 | Jul. 12 | Aug. 1 | 21 | ·06 |
| | | .. | .. | .. | .. | .. | .. | .. | Aug. 20 | Sep. 3 | 15 | ·02 |
| | | .. | .. | .. | .. | .. | .. | .. | Feb. 18 | Mar. 3 | 15 | ·01 |
| „ .....5 | Halstead (The Brewery) .... | May 13 | May 29 | 17 | .. | .. | .. | .. | May 13 | May 29 | 17 | ·00 |

## Table 3c Droughts and Dry Spells in 1952 (*continued*)

| County and River Division | Station | Absolute Droughts | | | Partial Droughts | | | | Dry Spells | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Began | Ended | Lasted | Began | Ended | Lasted | Rain | Began | Ended | Lasted | Rain |
| ENGLAND AND WALES (*continued*) | | | | days | | | days | in. | | | days | in. |
| Suffolk .....4 | Lowestoft (Secondary School) . | .. | .. | .. | .. | .. | .. | .. | May 12 | Jun. 1 | 21 | ·08 |
| | | .. | .. | .. | .. | .. | .. | .. | Aug. 20 | Sep. 4 | 16 | ·04 |
| Norfolk.....3 | Hunstanton ..... | .. | .. | .. | .. | .. | .. | .. | Jul. 12 | Jul. 26 | 15 | ·02 |
| Devon, S. .....5 | Teignmouth (Den Gardens) ... | Feb. 17 | Mar. 2 | 15 | .. | .. | .. | .. | Feb. 15 | Mar. 2 | 17 | ·01 |
| | | May 13 | May 28 | 16 | .. | .. | .. | .. | May 13 | May 29 | 17 | ·02 |
| | | .. | .. | .. | .. | .. | .. | .. | Jul. 8 | Jul. 30 | 23 | ·01 |
| Devon, N. .....1 | Ilfracombe (Bowling Green) .. | .. | .. | .. | .. | .. | .. | .. | Feb. 17 | Mar. 2 | 15 | ·02 |
| Cornwall.....1 | Bude (School House) ..... | .. | .. | .. | .. | .. | .. | .. | Feb. 17 | Mar. 2 | 15 | ·03 |
| | | .. | .. | .. | .. | .. | .. | .. | May 12 | May 29 | 18 | ·08 |
| ,, .....2 | St. Austell (Poltair Public Gdns.) | .. | .. | .. | .. | .. | .. | .. | Feb. 15 | Mar. 2 | 17 | ·04 |
| | | .. | .. | .. | .. | .. | .. | .. | May 13 | May 28 | 16 | ·03 |
| | | .. | .. | .. | .. | .. | .. | .. | Jul. 8 | Jul. 29 | 22 | ·02 |
| ,, .....4 | Scilly (Tresco Abbey) ..... | .. | .. | .. | .. | .. | .. | .. | Feb. 15 | Mar. 2 | 17 | ·06 |
| | | May 13 | May 27 | 15 | .. | .. | .. | .. | May 11 | May 28 | 18 | ·04 |
| | | .. | .. | .. | .. | .. | .. | .. | Jul. 8 | Jul. 29 | 22 | ·07 |
| | | .. | .. | .. | .. | .. | .. | .. | Aug. 19 | Sep. 3 | 16 | ·04 |
| Somerset .....1 | Bath (Henrietta Park) ..... | .. | .. | .. | .. | .. | .. | .. | Feb. 17 | Mar. 2 | 15 | ·03 |
| | | .. | .. | .. | .. | .. | .. | .. | Jun. 18 | Jul. 4 | 17 | ·08 |
| | | .. | .. | .. | .. | .. | .. | .. | Jul. 12 | Jul. 30 | 19 | ·02 |
| ,, .....3 | Taunton (Vivary Park)..... | .. | .. | .. | .. | .. | .. | .. | Feb. 15 | Mar. 2 | 17 | ·01 |
| | | .. | .. | .. | .. | .. | .. | .. | Jul. 8 | Jul. 30 | 23 | ·04 |
| Hereford .....1 | Ross-on-Wye ..... | Feb. 17 | Mar. 2 | 15 | .. | .. | .. | .. | Feb. 12 | Mar. 2 | 20 | ·04 |
| | | Jul. 8 | Jul. 30 | 23 | .. | .. | .. | .. | Jul. 8 | Jul. 30 | 23 | ·00 |
| | | Aug. 19 | Sep. 7 | 20 | .. | .. | .. | .. | Aug. 19 | Sep. 7 | 20 | ·00 |
| Shropshire .....3 | Shrewsbury (Monkmore)..... | .. | .. | .. | .. | .. | .. | .. | Feb. 11 | Mar. 2 | 21 | ·10 |
| | | May 11 | May 27 | 17 | .. | .. | .. | .. | May 11 | May 27 | 17 | ·00 |
| | | .. | .. | .. | .. | .. | .. | .. | Jul. 18 | Aug. 3 | 17 | ·05 |
| | | Aug. 19 | Sep. 3 | 16 | .. | .. | .. | .. | Aug. 19 | Sep. 3 | 16 | ·00 |
| Warwick .....1 | Leamington Spa (Pump Room Gardens) | Feb. 17 | Mar. 3 | 16 | .. | .. | .. | .. | Feb. 17 | Mar. 3 | 16 | ·00 |
| | | Jul. 12 | Jul. 26 | 15 | Jun. 19 | Jul. 31 | 43 | ·38 | Jul. 12 | Jul. 31 | 20 | ·03 |
| | | .. | .. | .. | .. | .. | .. | .. | Aug. 19 | Sep. 3 | 16 | ·06 |
| Leicester .....4 | Loughborough (Nanpantan Res.) | Feb. 18 | Mar. 3 | 15 | .. | .. | .. | .. | Feb. 17 | Mar. 3 | 16 | ·02 |
| | | .. | .. | .. | Jun. 22 | Aug. 1 | 41 | ·39 | Jul. 12 | Aug. 1 | 21 | ·07 |
| Lincoln .....3 | Horncastle ..... | May 12 | May 29 | 18 | .. | .. | .. | .. | May 11 | May 29 | 19 | ·02 |
| | | .. | .. | .. | Jun. 23 | Jul. 26 | 34 | ·30 | .. | .. | .. | .. |

## Table 3c Droughts and Dry Spells in 1952—(*continued*)

| County and River Division | Station | Absolute Droughts | | | Partial Droughts | | | | Dry Spells | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Began | Ended | Lasted | Began | Ended | Lasted | Rain | Began | Ended | Lasted | Rain |
| ENGLAND AND WALES (*continued*) | | | | days | | | days | in. | | | days | in. |
| Nottingham ...5 | Mansfield (Carr Bank) ..... | .. | .. | .. | .. | .. | .. | .. | Feb. 17 | Mar. 3 | 16 | ·06 |
| | | Jul. 12 | Jul. 28 | 17 | Jul. 2 | Jul. 31 | 30 | ·18 | Jul. 12 | Jul. 28 | 17 | ·00 |
| Cheshire .....3 | Birkenhead (Bidston Obsy.) ... | .. | .. | .. | .. | .. | .. | .. | Feb. 17 | Mar. 3 | 16 | ·03 |
| | | May 12 | May 26 | 15 | .. | .. | .. | .. | May 12 | May 30 | 19 | ·03 |
| Lancashire, C. ..1 | Squires Gate (Blackpool Airport) | .. | .. | .. | .. | .. | .. | .. | Feb. 17 | Mar. 2 | 15 | ·04 |
| | | .. | .. | .. | .. | .. | .. | .. | May 12 | May 29 | 18 | ·06 |
| Yorks, W. R. ..8 | Wakefield (Clarence Park)..... | .. | .. | .. | Feb. 3 | Mar. 3 | 30 | ·29 | Feb. 17 | Mar. 3 | 16 | ·07 |
| | | May 12 | May 29 | 18 | .. | .. | .. | .. | May 11 | May 30 | 20 | ·02 |
| | | .. | .. | .. | .. | .. | .. | .. | Jul. 7 | Jul. 26 | 20 | ·09 |
| | | Aug. 12 | Sep. 1 | 21 | Aug. 12 | Sep. 19 | 39 | ·34 | Aug. 12 | Sep. 3 | 23 | ·01 |
| | | Nov. 21 | Dec. 7 | 17 | .. | .. | .. | .. | Nov. 21 | Dec. 10 | 20 | ·01 |
| Yorks, E.R. ....3 | Hull (Pearson Park)..... | .. | .. | .. | .. | .. | .. | .. | Feb. 17 | Mar. 3 | 16 | ·10 |
| Yorks, N.R. ...2 | Felixkirk (Mt. St. John)..... | May 12 | May 26 | 15 | .. | .. | .. | .. | May 12 | May 30 | 19 | ·03 |
| ,, ..5 | Scarborough ..... | .. | .. | .. | .. | .. | .. | .. | May 12 | May 30 | 19 | ·03 |
| Durham .....2 | Durham (Houghall Hort. Stn.) | May 12 | May 30 | 19 | .. | .. | .. | .. | May 12 | May 30 | 19 | ·00 |
| | | .. | .. | .. | .. | .. | .. | .. | Aug. 12 | Sep. 1 | 21 | ·10 |
| Northumberland 6 | Ilderton (Lilburn Tower Gdns.) | .. | .. | .. | .. | .. | .. | .. | Mar. 8 | Mar. 24 | 17 | ·10 |
| Cumberland ...1 | Geltsdale ..... | .. | .. | .. | .. | .. | .. | .. | May 12 | May 30 | 19 | ·01 |
| ,, 2 | Keswick (High Hill)..... | May 12 | May 26 | 15 | .. | .. | .. | .. | May 12 | May 27 | 16 | ·01 |
| | | Nov. 23 | Dec. 7 | 15 | .. | .. | .. | .. | Nov. 21 | Dec. 7 | 17 | ·03 |
| ,, ..3 | Ravenglass (The Grove) ..... | .. | .. | .. | .. | .. | .. | .. | May 12 | May 29 | 18 | ·06 |
| | | .. | .. | .. | .. | .. | .. | .. | Nov. 15 | Dec. 6 | 22 | ·05 |
| Glamorgan ....6 | Treherbert (Tyn-y-waun) ..... | .. | .. | .. | .. | .. | .. | .. | Feb. 15 | Feb. 29 | 15 | ·06 |
| | | .. | .. | .. | .. | .. | .. | .. | May 12 | May 28 | 17 | ·08 |
| Carmarthen ....2 | Llanddeusant (Pontcrynfe) .... | .. | .. | .. | .. | .. | .. | .. | Feb. 15 | Mar. 1 | 16 | ·05 |
| | | .. | .. | .. | .. | .. | .. | .. | Jul. 8 | Jul. 30 | 23 | ·08 |
| Pembroke .....4 | Tenby (The Priory) ..... | .. | .. | .. | .. | .. | .. | .. | Feb. 15 | Mar. 1 | 16 | ·05 |
| | | .. | .. | .. | .. | .. | .. | .. | Jul. 8 | Jul. 30 | 23 | ·07 |
| Radnor .....1 | Birmingham W. W. (Tyrmynydd) | .. | .. | .. | .. | .. | .. | .. | Feb. 15 | Mar. 1 | 16 | ·10 |
| | | .. | .. | .. | .. | .. | .. | .. | May 12 | May 28 | 17 | ·04 |
| Montgomery ...5 | Lake Vyrnwy (Exper. Station) . | .. | .. | .. | .. | .. | .. | .. | Feb. 14 | Feb. 29 | 16 | ·07 |
| | | .. | .. | .. | .. | .. | .. | .. | May 13 | May 27 | 15 | ·01 |
| | | .. | .. | .. | .. | .. | .. | .. | Jul. 15 | Jul. 29 | 15 | ·08 |
| Merioneth .....5 | Aberdovey (Plâs Penhelig)..... | .. | .. | .. | .. | .. | .. | .. | May 12 | May 28 | 17 | ·02 |
| Anglesey ..... | Llanerchymedd (Llwydiarth Esgob) | .. | .. | .. | .. | .. | .. | .. | Feb. 16 | Mar. 2 | 16 | ·10 |
| | | .. | .. | .. | .. | .. | .. | .. | May 12 | May 29 | 18 | ·05 |

## Table 3c Droughts and Dry Spells in 1952—(*concluded*)

| County and River Division | Station | Absolute Droughts | | | Partial Droughts | | | | Dry Spells | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Began | Ended | Lasted | Began | Ended | Lasted | Rain | Began | Ended | Lasted | Rain |
| | | | | days | | | days | in. | | | days | in. |
| ISLE OF MAN | Douglas (Borough Cemetery).. | .. | .. | .. | .. | .. | .. | .. | Feb. 14 | Mar. 2 | 18 | ·06 |
| | | .. | .. | .. | .. | .. | .. | .. | May 12 | May 27 | 16 | ·04 |
| SCOTLAND | | | | | | | | | | | | |
| Wigtown .....1 | Castle Kennedy (Lochinch) ... | Nov. 21 | Dec. 5 | 15 | .. | .. | .. | .. | Nov. 21 | Dec. 5 | 15 | ·00 |
| Kirkcudbright ..5 | Lochrutton (Dumfries W. W.).. | .. | .. | .. | .. | .. | .. | .. | May 13 | May 30 | 18 | ·04 |
| Lanark .....5 | Strathaven (Kype Reservoir)... | .. | .. | .. | .. | .. | .. | .. | Nov. 23 | Dec. 7 | 15 | ·08 |
| Renfrew .....3 | Greenock (Prospect Hill) ..... | .. | .. | .. | .. | .. | .. | .. | May 12 | May 30 | 19 | ·11 |
| Stirling .....1 | Falkirk (Arnotdale) ..... | .. | .. | .. | .. | .. | .. | .. | Feb. 11 | Feb. 27 | 17 | ·05 |
| | | .. | .. | .. | .. | .. | .. | .. | Sep. 3 | Sep. 19 | 17 | ·04 |
| Perth .....11 | Aberfeldy (Tigh'n Eilean) ..... | .. | .. | .. | .. | .. | .. | .. | Nov. 21 | Dec. 7 | 17 | ·02 |
| NORTHERN IRELAND | | | | | | | | | | | | |
| Fermanagh ....1 | Newtownbutler (Crom Castle).. | .. | .. | .. | .. | .. | .. | .. | Feb. 14 | Mar. 2 | 18 | ·09 |
| Armagh .....5 | Armagh Observatory ..... | .. | .. | .. | .. | .. | .. | .. | Feb. 14 | Mar. 2 | 18 | ·03 |
| | | May 13 | May 27 | 15 | .. | .. | .. | .. | May 9 | May 30 | 22 | ·08 |
| Down .....4 | Donaghadee (Orlock Res.) .... | Feb. 14 | Feb. 29 | 16 | .. | .. | .. | .. | Feb. 13 | Mar. 2 | 19 | ·05 |
| | | May 13 | May 27 | 15 | .. | .. | .. | .. | May 10 | May 27 | 18 | ·04 |
| Antrim .....5 | Ballymena (Harryville) ..... | .. | .. | .. | .. | .. | .. | .. | May 13 | May 27 | 15 | ·01 |

# 4 Rain Spells and Wet Spells in 1952

The definitions of the terms " rain spell " and " wet spell " as used in this section, are analogous to those of the terms " absolute drought " and " dry spell " which are used in the previous section. Thus:

A **rain spell** is a period of at least 15 consecutive days to each of which is credited ·01 inch of rain or more.

A **wet spell** is a period of at least 15 consecutive days to each of which is credited ·04 inch of rain or more.

In other words, a *rain spell* contains at least 15 consecutive rain-days and a *wet spell* contains at least 15 consecutive wet-days.

Table 4C contains particulars of all rain spells and wet spells during 1952 which were reported from the 82 selected stations of Table 2B. Stations from which no rain spells or wet spells were reported are omitted from this table. The number of stations omitted is 36, of which 29 are in England and 7 in Scotland.

The dates of commencement of rain spells and wet spells which began in December 1951 are given in the form " 27. xii. 51 " to distinguish them from spells occurring in December 1952. Some of these rain spells and wet spells were by the end of 1951 of sufficient duration to qualify for inclusion in Table 4C for that year, and the complete details of such spells are now given in italics. Inverbroom and Stornoway gave both a rain spell and a wet spell which had already been counted in the 1951 volume, while Fort William and Tongue gave rain spells. As these rain spells and wet spells have already been included for 1951 in Tables 4A and 4B, they are not again counted in 1952, although that part of the duration and amount of rain in these spells which relates to 1952 is included in arriving at the mean duration and the mean rain per day.*

In 1952 the total number of rain spells at the selected stations was 115 and of these 24 ranked as or included wet spells.

The longest rain spell, 40 days with 13·79 inches of rain, was recorded at Inverbroom from December 11, 1951, to January 19, 1952. There were a number of rain spells of shorter duration but of greater intensity. Thus, Fort William in the 19 days from October 22 to November 9 recorded 11·02 inches and Loch Shin in the 17 days from January 2 to 18 recorded 9·51 inches, both spells giving a mean daily amount exceeding half-an-inch.

Most of the 115 rain spells were confined to the north-western half of Scotland, Wales, Northern Ireland, the Southern Uplands and the west of England. They occurred at one or more of the selected stations in each month of the year, but more than half occurred within the two periods October 17 to November 20 and December 5 to 31. More than five stations also recorded rain spells within the periods ending January 19, from January 22 to February 23 and from July 6 to 21. At Loch Shin there were as many as nine rain spells during the year.

Of the 24 wet spells recorded during 1952, 13 occurred between October 21 and November 11 and 6 between December 6 and 31. All the wet spells were confined to the north

* The precise procedure adopted in the allocation of rain spells or wet spells which cover parts of two years is set out in the footnote on p. 25, *British Rainfall* 1926.

and west of Scotland, and Northern Ireland, apart from those at Pontcrynfe and Llwydiarth Esgob within the period October 21 to November 10. The longest was at Loch Shin during the 26 days from January 29 to February 23 with a total rainfall of 8·08 inches; the most intense at Fort William from October 22 to November 6 with 10·87 inches for the 16 days, a mean daily fall of ·68 inch.

A comparison of the statistics of rain spells and wet spells recorded in 1952 with those for the years 1943-1951 is given in Tables 4A and 4B.

## Table 4A Rain Spells* at 82 stations, 1943–1952

| Year | No. of rain spells | DURATION OF SPELLS | | | | STATIONS WITH | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | Mean | | Longest | | | | | |
| | | Days | Mean rain per day | Days | Mean rain per day | None | 1 or 2 | 3 or 4 | 5 or more |
| | | | in. | | in. | | | | |
| 1943 .. | 98 | 22 | ·27 | 42 | ·28 | 42 | 26 | 9 | 5 |
| 1944 .. | 95 | 21 | ·26 | 67 | ·19 | 35 | 35 | 10 | 2 |
| 1945 .. | 86 | 19 | ·26 | 40 | ·24 | 35 | 37 | 9 | 1 |
| 1946 .. | 134 | 21 | ·28 | 42 | ·18 | 22 | 42 | 15 | 3 |
| 1947 .. | 82 | 20 | ·26 | 34 | ·20 | 26 | 48 | 8 | 0 |
| 1948 .. | 107 | 21 | ·30 | 54 | ·37 | 37 | 29 | 10 | 6 |
| 1949 .. | 109 | 22 | ·30 | 41 | ·44 | 48 | 14 | 14 | 6 |
| 1950 .. | 139 | 21 | ·30 | 50 | ·35 | 35 | 23 | 12 | 12 |
| 1951 .. | 112 | 19 | ·28 | 49 | ·47 | 23 | 44 | 13 | 2 |
| 1952 .. | 115 | 20 | ·24 | 40 | ·34 | 36 | 27 | 14 | 5 |

* At least ·01 inch each day for 15 days or more

## Table 4B Wet Spells† at 82 stations, 1943–1952

| Year | No. of wet spells | DURATION OF SPELLS | | | | STATIONS WITH | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | Mean | | Longest | | | | | |
| | | Days | Mean rain per day | Days | Mean rain per day | None | 1 or 2 | 3 or 4 | 5 or more |
| | | | in. | | in. | | | | |
| 1943 .. | 15 | 21 | ·37 | 26 | ·63 | 71 | 10 | 1 | 0 |
| 1944 .. | 21 | 18 | ·63 | 25 | ·49 | 66 | 16 | 0 | 0 |
| 1945 . | 22 | 16 | ·35 | 20 | ·41 | 65 | 17 | 0 | 0 |
| 1946 .. | 42 | 19 | ·38 | 37 | ·40 | 57 | 22 | 3 | 0 |
| 1947 .. | 21 | 17 | ·35 | 25 | ·25 | 64 | 18 | 0 | 0 |
| 1948 .. | 28 | 19 | ·38 | 31 | ·28 | 63 | 17 | 2 | 0 |
| 1949 .. | 32 | 20 | ·40 | 34 | ·54 | 68 | 10 | 2 | 2 |
| 1950 .. | 38 | 19 | ·41 | 38 | ·64 | 61 | 15 | 6 | 0 |
| 1951 .. | 23 | 18 | ·42 | 32 | ·39 | 66 | 15 | 1 | 0 |
| 1952 .. | 24 | 18 | ·38 | 26 | ·31 | 66 | 14 | 1 | 1 |

† At least ·04 inch each day for 15 days or more

## Table 4c Rain Spells and Wet Spells in 1952

| County and River Division | Station | Rain Spells* | | | | Wet Spells† | | | | Max. in a Day during Rain Spells | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Began | Ended | Lasted | Total Rain | Began | Ended | Lasted | Total Rain | Date | Rain |
| ENGLAND AND WALES | | | | days | in. | | | days | in. | | in. |
| Oxford .....3 | Oxford (Radcliffe Met. Station).. | Oct. 18 | Nov. 2 | 16 | 2·75 | .. | .. | .. | .. | Oct. 19 | ·47 |
| Essex .....5 | Halstead (The Brewery) ..... | Dec. 9 | Dec. 23 | 15 | 1·73 | .. | .. | .. | .. | Dec. 18 | ·38 |
| Suffolk .....4 | Lowestoft (Secondary School) ... | Oct. 22 | Nov. 8 | 18 | 3·07 | .. | .. | .. | .. | Nov. 2 | ·74 |
| Cornwall.....2 | St. Austell (Poltair Public Gdns.) . | 23.xii.51 | Jan. 11 | 20 | 5·51 | .. | .. | .. | .. | 28.xii.51 | ·81 |
| | | Apr. 30 | May 14 | 15 | 2·79 | .. | .. | .. | .. | May 10 | 1·14 |
| | | Dec. 6 | Dec. 28 | 23 | 4·59 | .. | .. | .. | .. | Dec. 18 | ·77 |
| Somerset ....3 | Taunton (Vivary Park)..... | Oct. 18 | Nov. 2 | 16 | 2·82 | .. | .. | .. | .. | Oct. 18 | ·52 |
| Cheshire ....2 | Northwich (Hunts Lock) ..... | Dec. 10 | Dec. 25 | 16 | 2·43 | .. | .. | .. | .. | Dec. 18 | ·61 |
| ,, ....3 | Birkenhead (Bidston Obsy.) ..... | Dec. 10 | Dec. 25 | 16 | 2·28 | .. | .. | .. | .. | Dec. 18 | ·54 |
| Lancashire, C. 1 | Squires Gate (Blackpool Airport) | Oct. 21 | Nov. 4 | 15 | 3·27 | .. | .. | .. | .. | Nov. 4 | ·78 |
| | | Dec. 6 | Dec. 25 | 20 | 3·42 | .. | .. | .. | .. | Dec. 18 | ·59 |
| Yorks, E. R...3 | Hull (Pearson Park) ..... | Dec. 11 | Dec. 25 | 15 | 1·36 | .. | .. | .. | .. | Dec. 16 | ·20 |
| | | .. | .. | .. | .. | .. | .. | .. | .. | Dec. 18 | ·20 |
| Northumb ..3 | Ilderton (Lilburn Tower Gdns.).. | Dec. 13 | Dec. 31 | 19 | 4·19 | .. | .. | .. | .. | Dec. 27 | 1·31 |
| Cumberland .1 | Geltsdale ..... | Jul. 6 | Jul. 21 | 16 | 2·22 | .. | .. | .. | .. | Jul. 19 | ·43 |
| | | Jul. 29 | Aug. 13 | 16 | 3·65 | .. | .. | .. | .. | Aug. 2 | ·45 |
| | | .. | .. | .. | .. | .. | .. | .. | .. | Aug. 7 | ·45 |
| | | Oct. 21 | Nov. 6 | 17 | 3·75 | .. | .. | .. | .. | Nov. 4 | ·81 |
| ,, .2 | Keswick (High Hill) ..... | Dec. 15 | Dec. 31 | 17 | 3·94 | .. | .. | .. | .. | Dec. 16 | 1·13 |
| Glamorgan ..6 | Treherbert (Tyn-y-waun) ..... | Dec. 8 | Dec. 26 | 19 | 7·02 | .. | .. | .. | .. | Dec. 20 | 1·04 |
| Carmarthen ..2 | Llanddeusant (Pontcrynfe) ..... | 22.xii.51 | Jan. 18 | 28 | 8·38 | .. | .. | .. | .. | 26.xii.51 | 1·19 |
| | | Oct. 21 | Nov. 15 | 26 | 6·54 | Oct. 21 | Nov. 4 | 15 | 5·71 | Oct. 27 | 1·26 |
| | | Dec. 8 | Dec. 31 | 24 | 4·09 | .. | .. | .. | .. | Dec. 24 | ·55 |
| Pembroke ...4 | Tenby (The Priory) ..... | 22.xii.51 | Jan. 11 | 21 | 3·71 | .. | .. | .. | .. | 28.xii.51 | ·56 |
| Radnor .....1 | Birmingham W. W. (Tyrmynydd). | 22.xii.51 | Jan. 11 | 21 | 9·37 | .. | .. | .. | .. | Jan. 10 | 1·14 |
| | | Jul. 31 | Aug. 18 | 19 | 5·64 | .. | .. | .. | .. | Aug. 11 | ·80 |
| | | Oct. 18 | Nov. 10 | 24 | 7·51 | .. | .. | .. | .. | Oct. 27 | ·67 |
| | | Dec. 6 | Dec. 25 | 20 | 5·84 | .. | .. | .. | .. | Dec. 20 | ·91 |
| Montgomery .5 | Lake Vyrnwy (Exper. Station) ... | Apr. 27 | May 12 | 16 | 2·77 | .. | .. | .. | .. | May 8 | ·76 |
| | | Jul. 29 | Aug. 12 | 15 | 3·74 | .. | .. | .. | .. | Aug. 6 | ·80 |
| | | Oct. 21 | Nov. 8 | 19 | 9·89 | .. | .. | .. | .. | Oct. 27 | 1·73 |
| | | Dec. 6 | Dec. 26 | 21 | 5·74 | .. | .. | .. | .. | Dec. 16 | 1·34 |
| Merioneth ...5 | Aberdovey (Plâs Penhelig)..... | 22.xii.51 | Jan. 11 | 21 | 4·55 | .. | .. | .. | .. | 24.xii.51 | ·71 |
| | | Dec. 11 | Dec. 28 | 18 | 3·90 | .. | .. | .. | .. | Dec. 18 | 1·27 |

* At least 15 days, each credited with ·01 inch or more

† At least 15 days, each credited with ·04 inch or more

## Table 4c Rain Spells and Wet Spells in 1952 (*continued*)

| County and River Division | Station | Rain Spells* | | | | Wet Spells† | | | | Max. in a Day during Rain Spells | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Began | Ended | Lasted | Total Rain | Began | Ended | Lasted | Total Rain | Date | Rain |
| ENGLAND AND WALES (*continued*) | | | | days | in. | | | days | in. | | in. |
| Anglesey ..... | Llanerchymedd(Llwydiarth Esgob) | Oct. 26 | Nov. 14 | 20 | 4·51 | Oct. 26 | Nov. 10 | 16 | 4·12 | Nov. 4 | ·87 |
| | | Dec. 7 | Dec. 27 | 21 | 3·51 | .. | .. | .. | .. | Dec. 12 | ·42 |
| | | .. | .. | .. | .. | .. | .. | .. | .. | Dec. 25 | ·42 |
| ISLE OF MAN | Douglas (Borough Cemetery) ... | Oct. 26 | Nov. 10 | 16 | 4·16 | .. | .. | .. | .. | Nov. 4 | ·94 |
| | | Dec. 6 | Dec. 27 | 22 | 5·27 | .. | .. | .. | .. | Dec. 18 | 1·03 |
| SCOTLAND | | | | | | | | | | | |
| Kirkcudbright 5 | Lochrutton (Dumfries W. W.) .. . | Oct. 22 | Nov. 6 | 16 | 5·66 | .. | .. | .. | .. | Nov. 4 | 1·13 |
| | | Dec. 6 | Dec. 26 | 21 | 3·90 | .. | .. | .. | .. | Dec. 16 | ·55 |
| Peebles .....2 | Stobo Castle ..... | Jul. 31 | Aug. 14 | 15 | 4·12 | .. | .. | .. | .. | Aug. 9 | ·77 |
| | | Sep. 22 | Oct. 8 | 17 | 1·74 | .. | .. | .. | .. | Sep. 24 | ·33 |
| Lanark ..... | Strathaven (Kype Reservoir)..... | Oct. 22 | Nov. 6 | 16 | 5·06 | Oct. 22 | Nov. 6 | 16 | 5·06 | Nov. 4 | ·78 |
| Renfrew .....3 | Greenock W. W. (Prospect Hill).. | Oct. 21 | Nov. 6 | 17 | 5·04 | Oct. 22 | Nov. 6 | 16 | 5·01 | Oct. 22 | ·77 |
| Argyll .....11 | Inveraray Castle Gardens ..... | Jul. 7 | Jul. 21 | 15 | 2·96 | .. | .. | .. | .. | Jul. 16 | ·52 |
| | | Oct. 22 | Nov. 6 | 16 | 8·18 | Oct. 22 | Nov. 6 | 16 | 8·18 | Oct. 25 | 1·18 |
| ,, .....14 | Islay (Eallabus) ..... | 21.xii.51 | Jan. 18 | 29 | 8·31 | .. | .. | .. | .. | Jan. 16 | ·85 |
| | | Jan. 30 | Feb. 13 | 15 | 2·66 | .. | .. | .. | .. | Jan. 30 | ·81 |
| | | Oct. 25 | Nov. 10 | 17 | 3·63 | .. | .. | .. | .. | Oct. 26 | ·67 |
| ,, .....14 | Mull (Gruline) ..... | 21.xii.51 | Jan. 18 | 29 | 12·22 | Jan. 4 | Jan. 18 | 15 | 5·53 | 27.xii.51 | 1·33 |
| | | Jan. 30 | Feb. 13 | 15 | 3·56 | .. | .. | .. | .. | Jan. 30 | 1·26 |
| | | Oct. 22 | Nov. 10 | 20 | 9·26 | Oct. 22 | Nov. 6 | 16 | 8·66 | Oct. 26 | 1·48 |
| | | Dec. 6 | Dec. 27 | 22 | 9·30 | Dec. 27 | Dec. 27 | 21 | 9·29 | Dec. 16 | 1·41 |
| ,, .....14 | Tiree Airport ..... .... | 21.xii.51 | Jan. 17 | 28 | 6·30 | .. | .. | .. | .. | 26.xii.51 | ·65 |
| | | Jan. 27 | Feb. 13 | 18 | 2·62 | .. | .. | .. | .. | Jan. 30 | ·69 |
| Perth .....11 | Aberfeldy (Tigh'n Eilean) ..... | Jan. 4 | Jan. 18 | 15 | 2·54 | .. | .. | .. | .. | Jan. 8 | ·44 |
| Aberdeen ....1 | Braemar (Bank)..... | Feb. 3 | Feb. 17 | 15 | ·90 | .. | .. | .. | .. | Feb. 16 | ·21 |
| ,, ....4 | Peterhead (Forehill Works)..... | Nov. 4 | Nov. 20 | 17 | 1·96 | .. | .. | .. | .. | Nov. 6 | ·39 |
| | | .. | .. | .. | .. | .. | .. | .. | .. | Nov. 20 | ·39 |
| Inverness ....2 | Dalwhinnie..... | 21.xii.51 | Jan. 4 | 15 | 2·47 | .. | .. | .. | .. | 30.xii.51 | ·54 |
| | | Oct. 19 | Nov. 10 | 23 | 9·10 | .. | .. | .. | .. | Oct. 25 | 1·58 |

* At least 15 days, each credited with ·01 inch or more

† At least 15 days, each credited with ·04 inch or more

## Table 4c Rain Spells and Wet Spells in 1952 (*continued*)

| County and River Division | Station | Rain Spells* | | | | Wet Spells† | | | | Max. in a Day during Rain Spells | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Began | Ended | Lasted | Total Rain | Began | Ended | Lasted | Total Rain | Date | Rain |
| SCOTLAND (*continued*) | | | | days | in. | | | days | in. | | in. |
| Inverness ....6 | Loch Ness (Garthbeg) ..... | Jan. 30 | Feb. 13 | 15.. | 1·39 | .. | .. | .. | .. | Feb. 6 | ·27 |
| | | Jul. 6 | Jul. 21 | 16 | 1·73 | .. | .. | .. | .. | Jul. 14 | ·42 |
| | | Aug. 30 | Sep. 13 | 15 | 2·35 | .. | .. | .. | .. | Aug. 31 | ·72 |
| | | Sep. 16 | Oct. 10 | 25 | 3·85 | .. | .. | .. | .. | Sep. 24 | ·98 |
| | | Oct. 21 | Nov. 6 | 17 | 4·86 | .. | .. | .. | .. | Oct. 28 | ·77 |
| | | Dec. 5 | Dec. 31 | 27 | 4·18 | .. | .. | .. | .. | Dec. 16 | ·45 |
| „ ....17 | Fort William (Teviot)..... | *11.xii.51* | *Jan. 11* | *32* | *13·50* | .. | .. | .. | .. | 17.xii.51 | 1·34 |
| | | Jul. 7 | Jul. 21 | 15 | 2·96 | .. | .. | .. | .. | Jul. 10 | ·51 |
| | | Oct. 22 | Nov. 9 | 19 | 11·02 | Oct. 22 | Nov. 6 | 16 | 10·87 | Nov. 3 | 1·75 |
| | | Dec. 16 | Dec. 31 | 16 | 6·15 | .. | .. | .. | .. | Dec. 16 | 1·30 |
| „ ....18 | Skye (Broadford) ..... | Jan. 30 | Feb. 13 | 15 | 3·36 | .. | .. | .. | .. | Feb. 5 | 1·18 |
| | | Jul. 7 | Jul. 21 | 15 | 2·44 | .. | .. | .. | .. | Jul. 12 | ·46 |
| | | Oct. 22 | Nov. 14 | 24 | 10·63 | Oct. 22 | Nov. 10 | 20 | 10·21 | Nov. 3 | 1·78 |
| | | Dec. 7 | Dec. 26 | 20 | 7·24 | Dec. 8 | Dec. 26 | 19 | 7·22 | Dec. 24 | 1·01 |
| Ross and Cromarty 7 | Inverbroom (Glackour) ..... | *11.xii.51* | *Jan. 19* | *40* | *13·79* | *14.xii.51* | *Jan. 4* | *22* | *6·66* | 29.xii.51 | ·91 |
| | | Jan. 30 | Feb. 13 | 15 | 3·39 | .. | .. | .. | .. | Feb. 6 | ·71 |
| | | Jun. 13 | Jun. 29 | 17 | 1·84 | .. | .. | .. | .. | Jun. 19 | ·41 |
| | | Jul. 7 | Jul. 21 | 15 | 2·91 | .. | .. | .. | .. | Jul. 7 | ·87 |
| | | Oct. 22 | Nov. 17 | 27 | 10·94 | Oct. 22 | Nov. 8 | 18 | 9·58 | Oct. 28 | 1·55 |
| | | Dec. 9 | Dec. 24 | 16 | 5·22 | Dec. 9 | Dec. 24 | 16 | 5·22 | Dec. 16 | ·92 |
| „ ...10 | Stornoway Airport ..... | *13.xii.51* | *Jan. 18* | *37* | *8·10* | *17.xii.51* | *Jan. 2* | *17* | *4·08* | Jan. 10 | ·57 |
| | | Jan. 29 | Feb. 23 | 26 | 3·16 | .. | .. | .. | .. | Feb. 6 | ·43 |
| | | Mar. 18 | Apr. 9 | 23 | 3·31 | .. | .. | .. | .. | Mar. 21 | ·85 |
| | | Jul. 7 | Jul. 21 | 15 | 2·24 | .. | .. | .. | .. | Jul. 7 | ·46 |
| | | Sep. 16 | Oct. 1 | 16 | 3·39 | .. | .. | .. | .. | Sep. 24 | ·65 |
| | | Oct. 22 | Nov. 8 | 18 | 5·14 | .. | .. | .. | .. | Nov. 3 | ·61 |
| | | Dec. 7 | Dec. 31 | 25 | 5·59 | .. | .. | .. | .. | Dec. 16 | ·65 |
| Sutherland ...1 | Loch Shin (Corrykinloch) ..... | Jan. 2 | Jan. 18 | 17 | 9·51 | Jan. 2 | Jan. 18 | 17 | 9·51 | Jan. 14 | 1·07 |
| | | Jan. 22 | Feb. 23 | 33 | 8·70 | Jan. 29 | Feb. 23 | 26 | 8·08 | Feb. 6 | 1·19 |
| | | Mar. 18 | Apr. 9 | 23 | 4·23 | .. | .. | .. | .. | Mar. 21 | 1·28 |
| | | May 24 | Jun. 29 | 37 | 9·74 | May 24 | Jun. 7 | 15 | 6·69 | Jun. 6 | ·98 |
| | | Jul. 7 | Jul. 21 | 15 | 3·10 | .. | .. | .. | .. | Jul. 12 | ·69 |
| | | Aug. 20 | Sep. 8 | 20 | 5·92 | .. | .. | .. | .. | Aug. 28 | 1·19 |
| | | Sep. 16 | Sep. 30 | 15 | 7·80 | .. | .. | .. | .. | Sep. 23 | 2·02 |
| | | Oct. 22 | Nov. 16 | 26 | 11·61 | Oct. 22 | Nov. 11 | 21 | 10·93 | Nov. 3 | 2·72 |
| | | Dec. 5 | Dec. 31 | 27 | 8·96 | Dec. 7 | Dec. 31 | 25 | 8·75 | Dec. 16 | 1·89 |

* At least 15 days, each credited with ·01 inch or more

† At least 15 days, each credited with ·04 inch or more

## Table 4c Rain Spells and Wet Spells in 1952 (*continued*)

| County and River Division | Station | Rain Spells* | | | | Wet Spells† | | | | Max. in a Day during Rain Spells | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Began | Ended | Lasted | Total Rain | Began | Ended | Lasted | Total Rain | Date | Rain |
| SCOTLAND (*continued*) | | | | days | in. | | | days | in. | | in. |
| Sutherland ..4 | Tongue ..... | *14.xii.51* | *Jan. 18* | *36* | *8·21* | .. | .. | .. | .. | 30.xii.51 | ·78 |
| | | Jan. 30 | Feb. 22 | 24 | 3·18 | .. | .. | .. | .. | Feb. 6 | ·45 |
| | | Sep. 16 | Sep. 30 | 15 | 2·94 | .. | .. | .. | .. | Sep. 25 | ·40 |
| | | Oct. 25 | Nov. 17 | 24 | 5·83 | Oct. 27 | Nov. 11 | 16 | 4·77 | Nov. 3 | ·73 |
| | | Dec. 10 | Dec. 31 | 22 | 3·92 | .. | .. | .. | .. | Dec. 30 | ·46 |
| Caithness ....2 | Wick Airport ..... | Jan. 24 | Feb. 12 | 20 | 3·26 | Jan. 24 | Feb. 12 | 20 | 3·26 | Jan. 25 | ·39 |
| | | Jul. 6 | Jul. 20 | 15 | 1·09 | .. | .. | .. | .. | Jul. 11 | ·18 |
| | | .. | .. | .. | .. | .. | .. | .. | .. | Jul. 18 | ·18 |
| | | Oct. 26 | Nov. 10 | 16 | 2·59 | .. | .. | .. | .. | Nov. 6 | ·46 |
| NORTHERN IRELAND | | | | | | | | | | | |
| Fermanagh ..1 | Newtownbutler (Crom Castle) ... | 23.xii.51 | Jan. 11 | 20 | 3·16 | .. | .. | .. | .. | 27.xii.51 | ·35 |
| | | Apr. 28 | May 13 | 16 | 1·63 | .. | .. | .. | .. | May 7 | ·37 |
| | | Jul. 29 | Aug. 14 | 17 | 3·31 | .. | .. | .. | .. | Aug. 13 | ·48 |
| | | Oct. 18 | Nov. 15 | 29 | 3·98 | .. | .. | .. | .. | Nov. 3 | ·55 |
| | | Dec. 6 | Dec. 28 | 23 | 3·31 | .. | .. | .. | .. | Dec. 18 | ·48 |
| ,, ..1 | Belleek (Roscor) ..... | 21.xii.51 | Jan. 4 | 15 | 4·30 | .. | .. | .. | .. | 27.xii.51 | ·55 |
| | | .. | .. | .. | .. | .. | .. | .. | .. | Jan. 1 | ·55 |
| | | Oct. 21 | Nov. 15 | 26 | 5·30 | Oct. 21 | Nov. 9 | 20 | 5·02 | Nov. 3 | ·59 |
| | | Dec. 5 | Dec. 24 | 20 | 4·44 | .. | .. | .. | .. | Dec. 19 | ·65 |
| Armagh .....5 | Armagh Observatory ..... .. | 29.xii.51 | Jan. 17 | 20 | 3·32 | .. | .. | .. | .. | Jan. 16 | ·49 |
| | | Dec. 8 | Dec. 23 | 16 | 2·65 | Dec. 8 | Dec. 23 | 16 | 2·65 | Dec. 18 | ·51 |
| Down .....4 | Donaghadee (Orlock Res.) ..... | Dec. 13 | Dec. 27 | 15 | 2·68 | .. | .. | .. | .. | Dec. 18 | ·71 |
| Antrim .....5 | Ballymena (Harryville) ..... ..... | 26.xii.51 | Jan. 11 | 17 | 3·66 | .. | .. | .. | .. | 27.xii.51 | ·49 |
| | | Oct. 17 | Nov. 15 | 30 | 6·36 | .. | .. | .. | .. | Nov. 4 | ·74 |
| | | Dec. 6 | Dec. 31 | 26 | 4·62 | .. | .. | .. | .. | Dec. 18 | ·65 |
| Tyrone .... .3 | Omagh (Edenfel) ..... .... | 26.xii.51 | Jan. 11 | 17 | 3·83 | .. | .. | .. | .. | Jan. 9 | ·51 |
| | | Oct. 21 | Nov. 10 | 21 | 5·81 | Oct. 21 | Nov. 5 | 16 | 5·52 | Nov. 3 | ·78 |
| | | Dec. 6 | Dec. 31 | 26 | 4·95 | Dec. 6 | Dec. 25 | 20 | 4·27 | Dec. 18 | ·51 |

* At least 15 days, each credited with ·01 inch or more

† At least 15 days, each credited with ·04 inch or more

# 5 Duration of Rainfall in 1952

The duration of rainfall is obtained by measurement of the records of autographic gauges. On these records the amount of rain is measured vertically and the duration of the rainfall is measured horizontally, using scales which are printed upon the charts. The pen of an autographic gauge writes a horizontal line on the chart during the time that no rain is falling, and a sloping line whenever rain is passing into the receiver of the gauge. The inclination of the slope to the horizontal varies with the intensity of the rain.

The duration of rainfall discussed in this section is defined as the length of time during which rain is falling at a rate of not less than 0·1 mm. per hour, *i.e.* ·004 in. per hour. The tabulations at all the official stations are made according to this convention, which was first brought into use in *British Rainfall* 1920. The convention was adopted because, for very light rainfall, it was found to be almost impossible to define the exact point on the chart where the change from "no rain" to "rain" occurred. By taking a definite limiting slope of the trace as the criterion the difficulty is avoided to a great extent and it is found possible to obtain measurements from different gauges and from different observers which are comparable amongst themselves. The limit 0·1 mm. (·004 in.) per hour is low enough to ensure that no fall of practical importance is excluded.

Table 5A gives the monthly and annual totals of duration of rainfall at 145 stations. Other records of duration are received but the published list gives a good representation over the country. At 101 of the stations records were obtained from a tilting-siphon rain recorder.

For the purpose of Table 5A, the month commences at 9 a.m. G.M.T. on the first day of the month and ends at the same hour on the first day of the following month.

Values of the average monthly and annual duration 1931–1940 at 50 stations and the corresponding mean rates of rainfall at 14 well distributed stations were given in *British Rainfall* 1948, pp. 30–31.

The duration of rainfall in 1952 was near the average over England and Wales, and slightly less than average over Scotland and Northern Ireland. Almost everywhere the duration in 1952 was much less than in 1951, the difference amounting to 100 to 200 hours or about 20 per cent over most of England.

The duration for the year exceeded 1,000 hours at only 8 stations, all in Wales and Scotland, the highest recorded value for England being 988 hours at Keswick. The longest recorded duration was again at Loch Sloy Power Station with 1,384 hours, while 1,369 hours was recorded at Mullardoch Dam, in Glen Cannich. The other stations with more than 1,000 hours were Snowdon (Cwm Dyli), Cray Reservoir, and Pontsticill, in Wales, and Glenbrittle, Fort William, and Eskdalemuir, in Scotland.

At the other extreme, 9 of the stations given in the Table experienced less than 400 hours of rain. The lowest recorded duration, 350 hours, was at Church Fenton Airfield, Yorkshire, while Billingham-on-Tees

and Dunfermline recorded only a few hours more. Nottingham and Chelmsford again had very low totals, the other stations with less than 400 hours being Topcliffe Airfield near Thirsk, Finningley Airfield, and Felixkirk (Mount St. John), all in Yorkshire, Silsoe (Wrest Park), in Bedfordshire, and Lincoln (West Common), a new station not included in the Table.

As usual monthly totals of duration were greatest in general in the colder months. Over England there was as much rain in August as in November, but it fell in about half the time, a striking illustration of the usual seasonal variation of intensities. In the south of England the longest recorded monthly durations were in November and March, in parts of the Midlands in October, but at Middlesbrough, Middleton St. George, and Billingham-on-Tees in September, at Keswick, Turnhouse and Grimsetter in August, at Loch Fyne (Lephinmore) in July, and at Leuchars Airfield in June.

The maximum individual monthly totals in the Table are those for Scottish and Welsh mountain stations; Mullardoch Dam had 196 hours and Loch Sloy Power Station 186 hours in October. But 158 hours was recorded in December at Castle Archdale Airfield, Co. Fermanagh, at an altitude of only 225 feet, and over 100 hours in some months at some low-lying stations on the coasts, largely as a result of persistent light rain and drizzle. Apart from some high values at Loch Sloy the maximum duration in the summer months was 118 hours in August at Keswick (High Hill).

In England and Wales February was the month with the least rain, and in most parts of northern England the duration in that month was also the least. South of a line Dee–Humber nearly all stations had the smallest duration in July, a month with little more rain than February. At a few stations the minimum monthly durations were in May or August, and in the island of Jersey a new recorder gave the least in June, 5·3 hours for a total fall of ·20 inch. The only stations reporting less than this in any month were Nottingham (Sneinton Pumping Station) with 3·4 hours, and Cirencester with 3·2 hours, both in July. Peterborough and Salisbury also had less than 6 hours in July.

Table 5B sets out the mean monthly and annual values of rate of rainfall at 15 stations chosen to show broadly the variation in rates throughout the country. The values are obtained by dividing the total fall for the month or the year by the duration given in Table 5A. The mean rates for the year at the 15 stations vary from ·060 in. per hour at St. Eval Airfield to ·042 at Tiree. To a large extent, the highest mean rates are to be looked for at stations with high rainfall for the year, but there is no simple rule since on the one hand some stations with high rainfall are also subject to long periods of light precipitation, while on the other a station with a relatively low annual total may receive a substantial proportion of this in the form of heavy thundery showers. For individual months there are even wider variations from station to station, illustrated in Table 5B by the range from ·181 in. per hour at Wrexham in July (2·90 in. with a total duration of 16 hours), to ·025 in. per hour at Mildenhall in February (·74 in. spaced over a little less than 30 hours).

## Table 5A Duration of Rainfall at 145 Stations during 1952 (Monthly and Annual values)

| County and River Division | Station | Type of Recorder | H't. above Sea | Jan. | Feb. | Mar. | Apr. | May | Jun. | Jul. | Aug. | Sep. | Oct. | Nov. | Dec. | Year |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | ft. | hr. | hr. | hr. | hr. | hr. | hr. | hr. | hr. | hr. | hr. | hr. | hr. | hr. |
| London ....2 | Kensington Palace ..... | Nat. Siphon | 80 | 36 | 25 | 57 | 31 | 24 | 21 | 13 | 27 | 50 | 56 | 67 | 44 | 451 |
| ,, .....2 | St. Pancras (Camden Square) . | Tilt. Siphon | 110 | 42 | 26 | 73 | 40 | 19 | 24 | 16 | 32 | 59 | 74 | 78 | 57 | 540 |
| Surrey .....2 | Lingfield (Sewage Works) ..... | Tilt. Siphon | 155 | 40 | 18 | 61 | 39 | 18 | 17 | 14 | 31 | 48 | 57 | 79 | 45 | 467 |
| ,, .....4 | Caterham (Alderstead Heath) . | Tilt. Siphon | 577 | 49 | 32 | 82 | 47 | 26 | 24 | 18 | 31 | 50 | 66 | 81 | 59 | 565 |
| ,, .....4 | Croydon Airport ..... | Tilt. Siphon | 202 | 37 | 26 | 75 | 39 | 25 | 25 | 17 | 28 | 50 | 65 | 66 | 39 | 492 |
| ,, .....4 | Beddington Park ..... | Tilt. Siphon | 108 | 45 | 27 | 65 | 34 | 19 | 20 | 16 | 24 | 49 | 60 | 79 | 41 | 479 |
| ,, .....5 | Dorking (Pixham Lane S.W.) . | Nat. Siphon | 138 | 39 | 28 | 74 | 47 | 29 | 19 | 17 | 27 | 44 | 62 | 73 | 40 | 499 |
| ,, .....5 | Epsom (Ruxley Lane S.W.)..... | Hyetograph | 76 | 47 | 23 | 56 | 31 | 21 | 25 | 14 | 21 | 48 | 45 | 49 | 38 | 418 |
| ,, .....5 | Weybridge (Weyland S.W.) ... | Tilt. Siphon | 50 | 33 | 23 | 62 | 34 | 25 | 22 | 13 | 26 | 47 | 52 | 61 | 41 | 439 |
| ,, .....5 | Kingston (Canbury Gardens) . | Nat. Siphon | 23 | 39 | 24 | 61 | 34 | 27 | 22 | 14 | 27 | 50 | 57 | 61 | 40 | 456 |
| ,, .....5 | Kew Observatory ..... | Tilt. Siphon | 18 | 32 | 22 | 63 | 33 | 24 | 20 | 12 | 26 | 43 | 50 | 60 | 42 | 427 |
| ,, .....6 | Shottermill (Sewage Works) ... | Tilt. Siphon | 383 | 42 | 29 | 67 | 53 | 37 | 23 | 17 | 38 | 60 | 76 | 78 | 50 | 570 |
| Kent.....1 | Folkestone (The Leas) ..... | Tilt. Siphon | 128 | 65 | 48 | 78 | 32 | 18 | 15 | 10 | 35 | 63 | 49 | 74 | 69 | 556 |
| ,, .....2 | Lympne Airport ..... | Tilt. Siphon | 342 | 67 | 43 | 80 | 33 | 29 | 16 | 11 | 36 | 63 | 51 | 70 | 67 | 566 |
| ,, .....2 | Manston Airfield..... | Tilt. Siphon | 155 | 50 | 48 | 85 | 27 | 24 | 27 | 12 | 43 | 61 | 52 | 95 | 68 | 592 |
| ,, .....4 | West Malling Airfield..... | Tilt. Siphon | 304 | 51 | 27 | 78 | 29 | 16 | 20 | 13 | 34 | 58 | 59 | 79 | 58 | 522 |
| ,, .....4 | Strood (Waterworks) ..... | Nat. Siphon | 112 | 61 | 22 | 100 | 31 | 18 | 28 | 19 | 43 | 61 | 65 | 84 | 53 | 585 |
| ,, .....5 | Beckenham (Croydon Road) .. | Nat. Siphon | 110 | 59 | 36 | 77 | 22 | 16 | 23 | 19 | 28 | 53 | 63 | 80 | 51 | 527 |
| Sussex .....1 | Tangmere Airfield ..... | Tilt. Siphon | 54 | 69 | 26 | 95 | 51 | 42 | 24 | 19 | 31 | 71 | 76 | 98 | 64 | 666 |
| ,, .....3 | Worthing (Beach House Park) . | Tilt. Siphon | 25 | 40 | 17 | 49 | 37 | 31 | 20 | 16 | 31 | 66 | 58 | 80 | 66 | 511 |
| ,, .....5 | Polegate (Winfield Farm) ..... | Nat. Siphon | 35 | 64 | 26 | 71 | 38 | 22 | 21 | 13 | 38 | 49 | 56 | 66 | 77 | 541 |
| ,, .....8 | Crawley (Broadfield) ..... | Tilt. Siphon | 300 | 54 | 34 | 95 | 58 | 33 | 23 | 17 | 41 | 67 | 80 | 76 | 48 | 626 |
| Hampshire ..4 | Calshot ..... | Tilt. Siphon | 14 | 39 | 16 | 65 | 39 | 37 | 21 | 10 | 26 | 65 | 61 | 77 | 53 | 509 |
| ,, ..8 | South Farnborough (R.A.E.) .. | Tilt. Siphon | 228 | 50 | 29 | 86 | 43 | 34 | 20 | 18 | 42 | 60 | 78 | 69 | 47 | 576 |
| Berkshire ...3 | Maidenhead (Sewage Works) .. | Hyetograph | 83 | 32 | 17 | 60 | 43 | 35 | 18 | 9 | 33 | 46 | 56 | 61 | 44 | 454 |
| ,, ...4 | Reading (Caversham Lock).... | Tilt. Siphon | 124 | 39 | 23 | 55 | 49 | 76 | 21 | 9 | 57 | 51 | 66 | 67 | 53 | 566 |
| ,, ...5 | Abingdon Airfield ..... | Tilt. Siphon | 210 | 40 | 19 | 69 | 44 | 41 | 28 | 8 | 52 | 34 | 69 | 73 | 54 | 531 |
| Middlesex ...1 | Isleworth (Mogden Works) ... | Tilt. Siphon | 33 | 31 | 20 | 62 | 33 | 26 | 21 | 12 | 28 | 44 | 51 | 60 | 52 | 440 |
| ,, .....1 | Feltham (London Airport) .... | Tilt. Siphon | 84 | 53 | 38 | 85 | 38 | 28 | 20 | 13 | 21 | 53 | 61 | 73 | 64 | 547 |
| ,, .....1 | Wembley (Town Hall) ..... | Hyetograph | 187 | 25 | 23 | 59 | 33 | 22 | 21 | 11 | 26 | 46 | 61 | 70 | 40 | 437 |
| Hertford ....2 | Garston (Building Research Stn.) | Tilt. Siphon | 250 | 44 | 27 | 86 | 50 | 27 | 27 | 14 | 47 | 55 | 73 | 87 | 58 | 595 |
| ,, ....2 | North Mimms (Pumping Stn.) . | Tilt. Siphon | 256 | 37 | 17 | 59 | 43 | 20 | 20 | 15 | 45 | 49 | 58 | 77 | 42 | 482 |
| ,, ....2 | Harpenden (Rothamsted) ..... | Nat. Siphon | 420 | 44 | 23 | 84 | 52 | 28 | 29 | 13 | 50 | 60 | 70 | 79 | 56 | 588 |
| Buckingham .3 | Eton (Tangier Island) ..... | Nat. Siphon | 69 | 37 | 27 | 64 | 45 | 30 | 20 | 14 | 33 | 56 | 67 | 67 | 55 | 515 |
| ,, .3 | Slough (Baylis House) ..... | Tilt. Siphon | 90 | 32 | 11 | 57 | 37 | 30 | 19 | 11 | 28 | 49 | 57 | 73 | 54 | 458 |

## Table 5A Duration of Rainfall at 145 Stations during 1952 (Monthly and Annual values)—(*continued*)

| County and River Division | Station | Type of Recorder | H't. above Sea | Jan. | Feb. | Mar. | Apr. | May | Jun. | Jul. | Aug. | Sep. | Oct. | Nov. | Dec. | Year |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | ft. | hr. | hr. | hr. | hr. | hr. | hr. | hr. | hr. | hr. | hr. | hr. | hr. | hr. |
| Oxford .....4 | Benson Airfield ..... | Tilt. Siphon | 220 | 36 | 20 | 62 | 34 | 38 | 25 | 10 | 39 | 37 | 68 | 73 | 46 | 488 |
| Northampton 4 | Peterborough (Sewage P.S.) ... | Nat. Siphon | 9 | 33 | 23 | 90 | 36 | 31 | 29 | 5 | 34 | 39 | 53 | 67 | 51 | 491 |
| Bedford ....3 | Silsoe (Wrest Park) ..... | Tilt. Siphon | 195 | 27 | 17 | 48 | 30 | 22 | 19 | 8 | 28 | 42 | 44 | 58 | 43 | 386 |
| Essex .....1 | Leyton (Sewage Works) ..... | Hyetograph | 22 | 29 | 20 | 51 | 27 | 18 | 17 | 11 | 27 | 57 | 52 | 51 | 41 | 401 |
| ,, .....2 | Ilford (Valentines Park) ..... | " Float " | 45 | 33 | 23 | 81 | 39 | 13 | 25 | 15 | 26 | 48 | 62 | 63 | 52 | 480 |
| ,, .....4 | Chelmsford (Sandford Mill) ... | Hyetograph | 69 | 33 | 19 | 62 | 21 | 17 | 21 | 10 | 24 | 47 | 34 | 64 | 41 | 393 |
| Suffolk ....2 | Ipswich (Belstead Hall) ..... | Nat. Siphon | 125 | 55 | 19 | 67 | 24 | 21 | 18 | 8 | 22 | 41 | 38 | 73 | 50 | 436 |
| ,, .....3 | Felixstowe ..... | Tilt. Siphon | 10 | 54 | 26 | 106 | 29 | 33 | 25 | 10 | 33 | 56 | 40 | 97 | 69 | 578 |
| ,, .....5 | Mildenhall Airfield ..... | Tilt. Siphon | 16 | 45 | 30 | 79 | 31 | 31 | 15 | 19 | 28 | 41 | 44 | 73 | 46 | 482 |
| Norfolk ....1 | West Raynham Airfield ..... | Tilt. Siphon | 240 | 69 | 34 | 86 | 43 | 37 | 16 | 24 | 27 | 44 | 48 | 73 | 64 | 565 |
| ,, .....2 | Horsham St. Faith Airfield ... | Tilt. Siphon | 99 | 74 | 24 | 67 | 32 | 35 | 29 | 38 | 18 | 61 | 50 | 82 | 68 | 578 |
| Wiltshire ....3 | Porton (C.D.E.E.)..... | Tilt. Siphon | 364 | 40 | 18 | 52 | 36 | 43 | 27 | 10 | 55 | 46 | 73 | 69 | 44 | 513 |
| ,, .....3 | Boscombe Down Airfield ..... | Tilt. Siphon | 418 | 42 | 15 | 60 | 46 | 51 | 27 | 8 | 49 | 50 | 75 | 67 | 43 | 533 |
| Dorset .....3 | Poole ..... | Hyetograph | 18 | 47 | 23 | 81 | 49 | 52 | 24 | 10 | 49 | 84 | 85 | 112 | 68 | 684 |
| Devon, S. ...2 | Plymouth (Mount Batten)..... | Tilt. Siphon | 89 | 78 | 20 | 73 | 56 | 46 | 28 | 17 | 48 | 41 | 81 | 89 | 72 | 649 |
| ,, ...6 | Exeter Airport ..... | Tilt. Siphon | 102 | 56 | 12 | 59 | 75 | 63 | 27 | 17 | 58 | 48 | 87 | 112 | 80 | 694 |
| Devon, N. ..1 | Chivenor..... | Tilt. Siphon | 22 | 65 | 31 | 59 | 58 | 47 | 31 | 18 | 65 | 70 | 72 | 102 | 86 | 704 |
| Cornwall ...1 | St. Eval Airfield ..... | Tilt. Siphon | 337 | 62 | 24 | 59 | 59 | 36 | 25 | 17 | 44 | 58 | 66 | 86 | 65 | 601 |
| Somerset ...3 | Bridgwater (Northmoor P.S.) . | Tilt. Siphon | 23 | 41 | 17 | 47 | 41 | 44 | 23 | 9 | 38 | 45 | 74 | 97 | 44 | 520 |
| ,, ...4 | Minehead (Blenheim Gardens) . | Nat. Siphon | 35 | 64 | 26 | 50 | 67 | 54 | 26 | 14 | 59 | 53 | 68 | 87 | 54 | 622 |
| Gloucester...5 | Bristol (Filton) ..... | Tilt. Siphon | 192 | 53 | 17 | 78 | 53 | 73 | 43 | 15 | 57 | 51 | 79 | 97 | 65 | 681 |
| ,, ...7 | Cirencester (Baunton W. W.) .. | Hyetograph | 397 | 42 | 19 | 54 | 41 | 35 | 20 | 3 | 40 | 13 | 60 | 72 | 40 | 439 |
| ,, ...7 | Little Rissington Airfield ..... | Tilt. Siphon | 740 | 62 | 22 | 81 | 55 | 63 | 33 | 12 | 50 | 31 | 95 | 83 | 71 | 658 |
| Hereford ...1 | Ross-on-Wye ..... | Hyetograph | 224 | 26 | 10 | 42 | 40 | 54 | 24 | 11 | 47 | 24 | 62 | 79 | 31 | 450 |
| Shropshire...4 | Shawbury Airfield ..... | Tilt. Siphon | 235 | 46 | 8 | 39 | 32 | 38 | 37 | 15 | 38 | 27 | 66 | 68 | 57 | 471 |
| ,, ...4 | Oswestry (Llwyn Terrace) .... | Hyetograph | 430 | 68 | 15 | 24 | 32 | 43 | 27 | 14 | 27 | 31 | 77 | 66 | 44 | 468 |
| Worcester ...4 | Defford Airfield..... | Tilt. Siphon | 59 | 40 | 14 | 50 | 48 | 47 | 26 | 14 | 43 | 21 | 67 | 83 | 47 | 500 |
| Warwick ....4 | Elmdon (Birmingham Airport). | Tilt. Siphon | 325 | 46 | 15 | 68 | 53 | 49 | 35 | 11 | 43 | 30 | 74 | 57 | 51 | 532 |
| ,, ....4 | Birmingham (Handsworth Park) | Hyetograph | 424 | 38 | 16 | 42 | 43 | 47 | 30 | 12 | 45 | 23 | 66 | 68 | 50 | 480 |
| Leicester ...4 | Loughborough (Nanpantan Res.) | Hyetograph | 269 | 50 | 20 | 69 | 41 | 57 | 38 | 6 | 27 | 34 | 71 | 51 | 64 | 528 |
| Lincoln .....3 | Cranwell Airfield..... | Tilt. Siphon | 206 | 39 | 11 | 71 | 36 | 38 | 40 | 7 | 27 | 39 | 54 | 62 | 43 | 467 |
| ,, .....3 | Waddington Airfield..... | Tilt. Siphon | 234 | 40 | 19 | 65 | 25 | 29 | 44 | 8 | 21 | 40 | 53 | 49 | 42 | 435 |
| Nottingham .5 | Nottingham (Sneinton P.S.) ... | Fernley | 83 | 39 | 14 | 55 | 36 | 35 | 26 | 3 | 20 | 29 | 44 | 38 | 37 | 376 |
| ,, .5 | Watnall ..... | Tilt. Siphon | 336 | 60 | 13 | 72 | 32 | 39 | 39 | 5 | 31 | 48 | 70 | 54 | 63 | 526 |

## Table 5A Duration of Rainfall at 145 Stations during 1952 (Monthly and Annual values)—(*continued*)

| County and River Division | Station | Type of Recorder | H't. above Sea | Jan. | Feb. | Mar. | Apr. | May | Jun. | Jul. | Aug. | Sep. | Oct. | Nov. | Dec. | Year |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | ft. | hr. | hr. | hr. | hr. | hr. | hr. | hr. | hr. | hr. | hr. | hr. | hr. | hr. |
| Cheshire ....1 | Langley (Trentabank Reservoir) | Tilt. Siphon | 854 | 63 | 23 | 49 | 50 | 39 | 56 | 41 | 20 | 64 | 86 | 51 | 68 | 610 |
| ,, ....1 | Prestbury (Sewage Works) .... | Tilt. Siphon | 320 | 60 | 20 | 39 | 47 | 42 | 53 | 28 | 18 | 57 | 55 | 33 | 56 | 508 |
| ,, ....1 | Appleton Reservoir ..... | Tilt. Siphon | 120 | 59 | 24 | 38 | 39 | 38 | 49 | 28 | 17 | 54 | 65 | 54 | 62 | 527 |
| ,, ....1 | Ringway (Manchester Airport). | Tilt. Siphon | 248 | 64 | 24 | 38 | 52 | 43 | 55 | 31 | 19 | 58 | 55 | 39 | 58 | 536 |
| ,, ....1 | Sale (Carrington Lane) ..... | Tilt. Siphon | 72 | 55 | 17 | 38 | 45 | 37 | 53 | 22 | 25 | 51 | 55 | 39 | 52 | 489 |
| ,, ....3 | Birkenhead (Bidston Obs'y.) .. | Nat. Siphon | 198 | 48 | 18 | 38 | 35 | 43 | 42 | 22 | 27 | 54 | 82 | 59 | 53 | 521 |
| Lancs, S. ...2 | Speke (Liverpool Airport)..... | Tilt. Siphon | 81 | 68 | 31 | 45 | 40 | 35 | 48 | 43 | 24 | 59 | 74 | 70 | 77 | 614 |
| ,, ....2 | Liverpool (Monument Place).. | Nat. Siphon | 129 | 56 | 20 | 42 | 35 | 43 | 43 | 30 | 25 | 57 | 78 | 64 | 67 | 560 |
| ,, ....3 | Bolton (Queens Park)..... | Tilt. Siphon | 342 | 101 | 28 | 71 | 89 | 48 | 86 | 58 | 56 | 81 | 86 | 78 | 110 | 892 |
| Lancs, C.....1 | Squires Gate Airport ..... | Tilt. Siphon | 34 | 67 | 23 | 46 | 73 | 66 | 59 | 27 | 50 | 77 | 94 | 52 | 93 | 727 |
| ,, ....1 | Colne (Judge Fields)..... | Tilt. Siphon | 560 | 112 | 34 | 39 | 54 | 34 | 61 | 42 | 72 | 78 | 75 | 41 | 79 | 721 |
| ,, ....3 | Southport (Hesketh Park) .... | Nat. Siphon | 38 | 57 | 20 | 42 | 45 | 49 | 36 | 25 | 32 | 57 | 68 | 44 | 65 | 540 |
| Lancs, N. ...1 | Barrow-in-Furness (Sew. Works) | Nat. Siphon | 24 | 60 | 20 | 50 | 53 | 50 | 59 | 23 | 66 | 66 | 78 | 43 | 104 | 672 |
| Yorks, W. R. 6 | Finningley Airfield ..... | Tilt. Siphon | 32 | 42 | 16 | 51 | 20 | 22 | 39 | 11 | 20 | 46 | 53 | 34 | 37 | 391 |
| ,, 7 | Langsett Reservoir ..... | Nat. Siphon | 820 | 93 | 16 | 54 | 30 | 32 | 39 | 14 | 31 | 62 | 89 | 43 | 51 | 554 |
| ,, 9 | Bradford (Bowling Cemetery).. | Nat. Siphon | 600 | 89 | 21 | 75 | 30 | 36 | 35 | 21 | 76 | 60 | 65 | 37 | 40 | 585 |
| ,, 9 | Leeds (Roundhay Park) ..... | Tilt. Siphon | 427 | 52 | 13 | 40 | 25 | 15 | 40 | 22 | 39 | 52 | 78 | 42 | 53 | 471 |
| ,, 10 | Church Fenton Airfield ..... | Tilt. Siphon | 29 | 35 | 10 | 43 | 24 | 19 | 28 | 15 | 22 | 42 | 51 | 32 | 29 | 350 |
| Yorks, E. R..3 | Driffield Airfield ..... | Tilt. Siphon | 71 | 50 | 26 | 51 | 28 | 27 | 37 | 24 | 29 | 64 | 51 | 64 | 58 | 509 |
| Yorks, N. R. 2 | Thirsk (Topcliffe Airfield)..... | Tilt. Siphon | 81 | 36 | 14 | 39 | 19 | 25 | 33 | 22 | 22 | 51 | 54 | 29 | 32 | 376 |
| ,, 2 | Felixkirk (Mount St. John) ... | Halliwell | 540 | 40 | 13 | 39 | 28 | 27 | 37 | 29 | 22 | 52 | 60 | 26 | 23 | 396 |
| ,, 4 | Farndale (The Vicarage) ..... | Hyetograph | 495 | 77 | 24 | 49 | 33 | 26 | 41 | 34 | 36 | 99 | 79 | 91 | 64 | 653 |
| ,, 6 | Middlesbrough (South Bank) .. | Nat. Siphon | 43 | 42 | 19 | 27 | 19 | 15 | 34 | 21 | 33 | 85 | 42 | 65 | 36 | 438 |
| Durham.....1 | Darlington (Waterworks) ..... | Tilt. Siphon | 161 | 48 | 8 | 47 | 38 | 23 | 34 | 15 | 32 | 69 | 73 | 40 | 52 | 479 |
| ,, .....1 | Middleton St. George ..... | Tilt. Siphon | 117 | 58 | 16 | 38 | 32 | 22 | 35 | 19 | 32 | 78 | 66 | 65 | 43 | 504 |
| ,, .....1 | Billingham-on-Tees ..... | Nat. Siphon | 62 | 25 | 12 | 25 | 19 | 14 | 22 | 9 | 36 | 66 | 53 | 46 | 34 | 361 |
| Northumb. ..5 | Acklington Airfield ..... | Tilt. Siphon | 138 | 43 | 24 | 38 | 25 | 29 | 35 | 23 | 32 | 53 | 59 | 85 | 66 | 512 |
| Cumberland .1 | Silloth Airfield ..... | Tilt. Siphon | 27 | 59 | 16 | 35 | 37 | 44 | 48 | 29 | 49 | 47 | 52 | 48 | 67 | 531 |
| ,, 2 | Keswick (High Hill) ..... | Tilt. Siphon | 254 | 92 | 36 | 80 | 82 | 66 | 77 | 71 | 118 | 107 | 97 | 77 | 85 | 988 |
| ,, 3 | St. Bees Head Lighthouse .... | Tilt. Siphon | 400 | 54 | 19 | 54 | 54 | 47 | 41 | 29 | 46 | 47 | 52 | 42 | 72 | 557 |
| Glamorgan .3 | Swansea (Victoria Park) ..... | Hyetograph | 26 | 84 | 20 | 65 | 55 | 62 | 37 | 21 | 58 | 31 | 63 | 73 | 73 | 642 |
| ,, .7 | Cardiff (Penylan)..... | Nat. Siphon | 202 | 78 | 22 | 92 | 68 | 74 | 37 | 19 | 52 | 53 | 74 | 111 | 83 | 763 |
| Pembroke ...4 | Pembroke Dock ..... | Tilt. Siphon | 34 | 116 | 26 | 75 | 65 | 77 | 54 | 15 | 83 | 39 | 90 | 86 | 101 | 827 |
| Cardigan ...2 | Aberporth ..... | Tilt. Siphon | 378 | 88 | 31 | 72 | 67 | 77 | 65 | 24 | 73 | 55 | 78 | 110 | 82 | 822 |

**Table 5A Duration of Rainfall at 145 Stations during 1952 (Monthly and Annual values)—(*continued*)**

| County and River Division | Station | Type of Recorder | H't. above Sea | Jan. | Feb. | Mar. | Apr. | May | Jun. | Jul. | Aug. | Sep. | Oct. | Nov. | Dec. | Year |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | ft. | hr. | hr. | hr. | hr. | hr. | hr. | hr. | hr. | hr. | hr. | hr. | hr. | hr. |
| Brecknock ..4 | Taf Fechan (Pontsticill) ..... | Tilt. Siphon | 1031 | 96 | 45 | 141 | 90 | 92 | 75 | 36 | 108 | 61 | 111 | 108 | 103 | 1066 |
| „ ..7 | Swansea W. W. (Cray Reservoir) | Tilt. Siphon | 1043 | 132 | 51 | 117 | 86 | 93 | 77 | 27 | 111 | 60 | 102 | 110 | 113 | 1079 |
| Montgomery.5 | Lake Vyrnwy (Exper. Station) · | Tilt. Siphon | 995 | 135 | 36 | 71 | 42 | 39 | 41 | 15 | 50 | 53 | 103 | 77 | 94 | 756 |
| Flint .....1 | Hawarden Airfield ..... | Tilt. Siphon | 17 | 65 | 16 | 13 | 17 | 22 | 26 | 40 | 30 | 69 | 72 | 71 | 66 | 507 |
| Denbigh ....1 | Wrexham (Grove Park School) | Hyetograph | 277 | 64 | 20 | 17 | 33 | 45 | 31 | 16 | 22 | 44 | 79 | 70 | 70 | 511 |
| Caernarvon .5 | Snowdon (Cwm Dyli) ..... | Beckley | 310 | 146 | 75 | 119 | 71 | 65 | 106 | 52 | 82 | 80 | 103 | 93 | 104 | 1096 |
| Anglesey .... | Holyhead (Valley Airfield) .... | Tilt. Siphon | 26 | 74 | 26 | 64 | 41 | 45 | 46 | 21 | 59 | 55 | 72 | 78 | 65 | 646 |
| Isle of Man . | Ronaldsway Airport ..... | Tilt. Siphon | 55 | 59 | 18 | 32 | 26 | 35 | 39 | 19 | 39 | 49 | 69 | 61 | 71 | 517 |
| Channel Is. . | St. Peter's (Jersey Airport) .... | Tilt. Siphon | 275 | 71 | 35 | 83 | 37 | 20 | 5 | 22 | 30 | 72 | 66 | 92 | 96 | 629 |
| Wigtown ....3 | West Freugh Airfield ..... | Tilt. Siphon | 52 | 85 | 26 | 41 | 40 | 47 | 43 | 48 | 66 | 51 | 84 | 97 | 129 | 757 |
| Dumfries ...5 | Eskdalemuir Observatory ..... | Tilt. Siphon | 794 | 132 | 41 | 80 | 67 | 46 | 92 | 75 | 108 | 52 | 87 | 83 | 151 | 1014 |
| Berwick ....3 | Swinton House ..... | Hyetograph | 200 | 29 | 18 | 21 | 17 | 24 | 37 | 25 | 31 | 39 | 45 | 64 | 61 | 411 |
| Midlothian . 5 | Pentland Hills (Harperrig Res.) | Tilt. Siphon | 907 | 56 | 21 | 36 | 30 | 34 | 76 | 47 | 63 | 59 | 45 | 76 | 72 | 615 |
| „ ..5 | Liberton (Alnwickhill) ..... | Tilt. Siphon | 407 | 49 | 14 | 20 | 15 | 24 | 63 | 26 | 48 | 33 | 29 | 57 | 51 | 429 |
| „ ..5 | Turnhouse (Edinburgh Airport) | Tilt. Siphon | 116 | 51 | 19 | 32 | 24 | 31 | 72 | 50 | 73 | 43 | 33 | 55 | 51 | 534 |
| Ayr.....3 | Prestwick Airport ..... | Tilt. Siphon | 30 | 112 | 31 | 56 | 33 | 44 | 56 | 40 | 67 | 45 | 64 | 75 | 111 | 734 |
| Renfrew.....2 | Renfrew (Glasgow Airport) ... | Tilt. Siphon | 29 | 93 | 25 | 54 | 45 | 44 | 50 | 34 | 58 | 43 | 72 | 63 | 94 | 675 |
| „ .....3 | Greenock (Prospect Hill) .. .. | Hyetograph | 199 | 90 | 49 | 74 | 45 | 33 | 70 | 55 | 69 | 43 | 89 | 51 | 94 | 762 |
| Dunbarton ..3 | Loch Sloy Power Station ..... | Tilt. Siphon | 41 | 152 | 113 | 134 | 78 | 58 | 134 | 114 | 130 | 85 | 186 | 58 | 142 | 1384 |
| Argyll .....2 | Ardnamurchan Lighthouse .... | Tilt. Siphon | 79 | 63 | 45 | 74 | 38 | 30 | 58 | 51 | 49 | 43 | 70 | 58 | 74 | 653 |
| „ .....11 | Loch Fyne (Lephinmore)..... | Tilt. Siphon | 30 | 100 | 78 | 72 | 27 | 32 | 74 | 105 | 94 | 77 | 101 | 69 | 96 | 925 |
| „ .....14 | Tiree Airport ..... | Tilt. Siphon | 31 | 114 | 73 | 88 | 58 | 44 | 82 | 74 | 74 | 63 | 102 | 79 | 120 | 971 |
| Fife .....1 | Dunfermline..... | Tilt. Siphon | 237 | 34 | 16 | 29 | 16 | 16 | 42 | 31 | 43 | 18 | 24 | 47 | 46 | 362 |
| „ .....2 | Glenrothes (Woodside) ..... | Tilt. Siphon | 273 | 54 | 19 | 68 | 29 | 29 | 59 | 34 | 42 | 32 | 33 | 57 | 59 | 515 |
| „ .....1 | Leuchars Airfield ..... | Tilt. Siphon | 34 | 34 | 23 | 53 | 23 | 52 | 67 | 41 | 49 | 26 | 50 | 66 | 52 | 536 |
| Aberdeen ...1 | Mannofield Reservoir ..... | Nat. Siphon | 927 | (55) | (35) | 45 | 20 | 48 | 47 | 33 | 40 | 27 | 25 | 73 | 57 | 505 |
| „ ....2 | Dyce (Aberdeen Airport)..... | Tilt. Siphon | 187 | 57 | 38 | 69 | 28 | 53 | 46 | 34 | 43 | 37 | 29 | 70 | 70 | 574 |
| „ ....4 | Rattray Head ..... | Tilt. Siphon | 85 | 36 | 46 | 56 | 21 | 39 | 39 | 29 | 27 | 25 | 29 | 54 | 51 | 452 |
| Moray .....4 | Elgin (Cemetery) ..... | Nat. Siphon | 93 | 32 | 29 | 55 | 23 | 43 | 51 | 35 | 52 | 61 | 31 | 77 | 47 | 536 |
| „ .....5 | Kinloss Airfield ..... | Tilt. Siphon | 18 | 44 | 47 | 62 | 27 | 57 | 64 | 37 | 66 | 38 | 34 | 69 | 60 | 605 |
| Inverness ...5 | Dalcross Airfield ..... | Tilt. Siphon | 36 | 39 | 32 | 36 | 22 | 54 | 44 | 29 | 62 | 32 | 36 | 65 | 60 | 511 |
| „ ...10 | Glen Cannich (Mullardoch Dam) | Tilt. Siphon | 674 | 177 | 133 | 83 | 57 | 61 | 83 | 57 | 104 | 128 | 196 | 147 | 143 | 1369 |
| „ .....17 | Fort William (Teviot)..... | Hyetograph | 35 | 131 | 97 | 96 | 53 | 29 | 88 | 67 | 105 | 59 | 101 | 72 | 112 | 1010 |
| „ .....18 | Skye (Glenbrittle) ..... | Tilt. Siphon | 30 | 144 | 108 | 91 | 54 | 60 | 94 | 105 | 57 | 78 | 77 | 90 | 127 | 1085 |
| „ ....19 | Benbecula Airport ..... | Tilt. Siphon | 18 | 120 | 52 | 91 | 44 | 66 | 68 | 61 | 79 | 67 | 101 | 73 | 84 | 906 |

## Table 5A Duration of Rainfall at 145 Stations during 1952 (Monthly and Annual values)—(*concluded*)

| County and River Division | Station | Type of Recorder | H't. above Sea | Jan. | Feb. | Mar. | Apr. | May | Jun. | Jul. | Aug. | Sep. | Oct. | Nov. | Dec. | Year |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | ft. | hr. | hr. | hr. | hr. | hr. | hr. | hr. | hr. | hr. | hr. | hr. | hr. | hr. |
| Ross and Cromarty 10 | Stornoway Airport | Tilt. Siphon | 12 | 109 | 54 | 77 | 34 | 51 | 59 | 53 | 83 | 66 | 84 | 79 | 106 | 855 |
| Caithness....2 | Wick Airport | Tilt. Siphon | 121 | 78 | 56 | 59 | 18 | 45 | 69 | 46 | 52 | 56 | 49 | 80 | 82 | 690 |
| Orkney ..... | Grimsetter Airport | Tilt. Siphon | 85 | 69 | 84 | 89 | 35 | 68 | 77 | 33 | 110 | 85 | 68 | 92 | 91 | 901 |
| Shetland .... | Lerwick Observatory | Tilt. Siphon | 269 | 119 | 58 | 105 | 32 | 87 | 80 | 39 | 79 | 84 | 64 | 62 | 118 | 927 |
| Fermanagh .1 | Castle Archdale Airfield | Tilt. Siphon | 225 | 117 | 36 | 54 | 33 | 45 | 60 | 55 | 64 | 43 | 103 | 58 | 158 | 826 |
| Armagh ....5 | Armagh Observatory | Beckley | 204 | 75 | 15 | 26 | 27 | 31 | 33 | 29 | 30 | 17 | 60 | 44 | 75 | 462 |
| Antrim.....5 | Aldergrove Airfield | Nat. Siphon | 220 | 90 | 24 | 35 | 32 | 33 | 40 | 33 | 59 | 33 | 63 | 77 | 102 | 621 |

## Table 5B Mean Rate of Rainfall at 15 Stations during 1952 (Monthly and Annual values)

| County and River Division | Station | Rain-fall 1952 | Jan. | Feb. | Mar. | Apr. | May | Jun. | Jul. | Aug. | Sep. | Oct. | Nov. | Dec. | Year |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | in. | in. per hr. | in. per hr. | in. per hr. | in. per hr. | in. per hr. | in. per hr. | in. per hr. | in. per hr. | in. per hr. | in. per hr. | in. per hr. | in. per hr. | in. per hr. |
| London .....2 | St. Pancras (Camden Square) .... | 24·26 | ·039 | ·035 | ·041 | ·039 | ·055 | ·066 | ·044 | ·079 | ·047 | ·035 | ·049 | ·042 | ·045 |
| Suffolk .....5 | Mildenhall Airfield | 20·70 | ·032 | ·025 | ·031 | ·032 | ·048 | ·087 | ·036 | ·072 | ·070 | ·046 | ·040 | ·036 | ·043 |
| Cornwall .....1 | St. Eval Airfield | 35·86 | ·053 | ·051 | ·053 | ·049 | ·072 | ·048 | ·067 | ·069 | ·095 | ·059 | ·055 | ·049 | ·060 |
| Gloucestershire .5 | Bristol (Filton) | 32·79 | ·041 | ·038 | ·031 | ·038 | ·052 | ·075 | ·128 | ·067 | ·058 | ·054 | ·039 | ·027 | ·048 |
| Leicestershire ..4 | Loughborough (Nanpantan Res.). | 25·22 | ·056 | ·032 | ·045 | ·053 | ·043 | ·051 | ·056 | ·087 | ·049 | ·038 | ·040 | ·050 | ·048 |
| Lancashire, C...1 | Colne (Judge Fields) | 41·30 | ·051 | ·049 | ·062 | ·052 | ·068 | ·052 | ·043 | ·089 | ·061 | ·056 | ·047 | ·053 | ·057 |
| Yorkshire, N.R. 2 | Thirsk (Topcliffe Airfield) | 20·81 | ·047 | ·026 | ·043 | ·050 | ·061 | ·063 | ·069 | ·086 | ·065 | ·056 | ·044 | ·048 | ·055 |
| Pembrokeshire .4 | Pembroke Dock | 38·89 | ·041 | ·025 | ·040 | ·061 | ·045 | ·056 | ·069 | ·063 | ·055 | ·050 | ·036 | ·039 | ·047 |
| Denbighshire ..1 | Wrexham (Grove Park School) .. | 29·54 | ·059 | ·046 | ·030 | ·048 | ·046 | ·045 | ·181 | ·086 | ·068 | ·070 | ·035 | ·051 | ·058 |
| Dumfriesshire .5 | Eskdalemuir Observatory | 48·32 | ·058 | ·030 | ·049 | ·055 | ·061 | ·048 | ·049 | ·041 | ·045 | ·059 | ·048 | ·035 | ·048 |
| Argyllshire ...14 | Tiree Airport | 40·42 | ·046 | ·027 | ·053 | ·035 | ·031 | ·042 | ·038 | ·048 | ·055 | ·045 | ·026 | ·043 | ·042 |
| Aberdeenshire ..2 | Dyce (Aberdeen Airport) | 31·92 | ·044 | ·034 | ·053 | ·056 | ·044 | ·068 | ·064 | ·091 | ·057 | ·094 | ·052 | ·041 | ·056 |
| Ross and Cromarty ..10 | Stornoway Airport | 44·66 | ·051 | ·059 | ·053 | ·054 | ·043 | ·046 | ·054 | ·042 | ·061 | ·061 | ·047 | ·056 | ·052 |
| Shetland ..... | Lerwick Observatory | 45·74 | ·039 | ·036 | ·058 | ·056 | ·044 | ·046 | ·047 | ·068 | ·048 | ·058 | ·046 | ·049 | ·049 |
| Antrim .....5 | Aldergrove Airfield | 27·23 | ·034 | ·032 | ·040 | ·037 | ·036 | ·064 | ·053 | ·072 | ·042 | ·050 | ·039 | ·035 | ·044 |

# 6 Heavy Falls in Short Periods in 1952

Heavy falls of rain in short periods are of great importance because of the inconvenience or damage which they may cause. In urban areas there can be temporary flooding of the lower roadways when the drainage system fails to take the sudden rush of water. Such events are familiar from press reports though they are of course relatively rare in any one area. Dislocation of traffic can occur and in the worst cases there is also damage to roads, mains, or adjoining property. The problem of dealing with the trouble is aggravated by the fact that from the artificial surfaces of a densely built-up area run-off is both heavy and rapid. An allied problem on a smaller scale is the provision of adequate drainage from the roofs of large buildings. A solution for such problems can be attempted with the aid of long-period data similar to those given in this section, particularly the frequencies set out in Table 6D for a selection of stations. The more intense falls are not only uncommon but, by their nature, erratic and unpredictable for a precise time and place. Efforts would normally be directed towards minimizing their effects when they do occur, rather than towards any calculable degree of protection. Sudden flooding, erosion, damage or destruction of crops, and structural damage are among the items which often appear in storm reports. The amount of damage depends, of course, on a number of factors other than the intensity, duration, and size of the storm. These include the topography of the catch-

**Table 6A Lower Limits of Intense Rainfalls**

| Time | Noteworthy | | | Remarkable | | | Very Rare | | |
|---|---|---|---|---|---|---|---|---|---|
| | Amount | | Rate | Amount | | Rate | Amount | | Rate |
| min. | in. | mm. | in./hr. | in. | mm. | in./hr. | in. | mm. | in./hr. |
| 5 or less | ·43 | 10·9 | 5·16 | ·68 | 17·3 | 8·16 | 1·06 | 26·8 | 12·72 |
| 10 „ „ | ·54 | 13·8 | 3·24 | ·85 | 21·6 | 5·10 | 1·31 | 33·2 | 7·86 |
| 20 „ „ | ·68 | 17·3 | 2·04 | 1·06 | 26·8 | 3·18 | 1·61 | 40·9 | 4·83 |
| 30 „ „ | ·77 | 19·7 | 1·54 | 1·19 | 30·3 | 2·38 | 1·82 | 46·2 | 3·64 |
| 40 „ „ | ·85 | 21·6 | 1·27 | 1·30 | 33·2 | 1·95 | 1·98 | 50·3 | 2·97 |
| 50 „ „ | ·91 | 23·2 | 1·09 | 1·40 | 35·6 | 1·68 | 2·12 | 53·8 | 2·55 |
| 60 „ „ | ·97 | 24·5 | ·97 | 1·48 | 37·6 | 1·48 | 2·24 | 56·8 | 2·24 |
| 70 „ „ | 1·01 | 25·7 | ·87 | 1·55 | 39·4 | 1·33 | 2·34 | 59·5 | 2·01 |
| 80 „ „ | 1·05 | 26·8 | ·79 | 1·61 | 40·9 | 1·21 | 2·44 | 61·9 | 1·83 |
| 90 „ „ | 1·09 | 27·8 | ·73 | 1·67 | 42·4 | 1·11 | 2·52 | 64·0 | 1·68 |
| 100 „ „ | 1·13 | 28·8 | ·68 | 1·72 | 43·8 | 1·03 | 2·60 | 66·0 | 1·56 |
| 110 „ „ | 1·16 | 29·6 | ·63 | 1·77 | 45·0 | ·97 | 2·67 | 67·8 | 1·46 |
| 120 „ „ | 1·19 | 30·4 | ·59 | 1·82 | 46·2 | ·91 | 2·73 | 69·4 | 1·37 |

ment areas below the storm, the nature and state of the ground, the conditions under which the water eventually flows into an adequate channel, and the disposition of vulnerable property relative to the storm area and to the subsequent flow of storm-water. Information such as that given in this section is nevertheless of first relevance. It supplements that in Section 7, Heavy Falls on Rainfall Days, which deals with falls of longer duration and usually relates to widespread flooding rather than sudden damage over limited areas.

Table 6C gives particulars of falls recorded in 1952 which reached at least the intensity "noteworthy". In each case the entry gives the largest amount recorded with a mean intensity "noteworthy", "remarkable" or "very rare", an entry in the highest category being in general preferred. In the case of the "very rare" falls at Old Malden and Rayners Lane, and the "remarkable" fall at East Sheen, additional information is included at the end of the table in italics. Entries are credited to the calendar day rather than the "rainfall day" and times quoted are G.M.T.

**Table 6B Number of Noteworthy Rains of Two Hours' Duration or less.**

| | | England and Wales | | | | | | Northern | |
|---|---|---|---|---|---|---|---|---|---|
| | | S.E. | S.W. | N.E. | N.W. | Total | Scotland | Ireland | Total |
| 1952 | (a) ..... | 14 | 23 | 10 | 4 | 51 | 1 | 0 | 52 |
| | (b) ..... | 15 | 8 | 9 | 5 | 37 | 1 | 0 | 38 |
| | Total .... | 29 | 31 | 19 | 9 | 88 | 2 | 0 | 90 |
| Mean 1925–1951 ... | | 25 | 13 | 7 | 5 | 50 | 4 | 1 | 55 |

(a) Observations made without autographic rain-gauges.
(b) Readings of autographic gauges.

The table on the previous page, 6A, indicates the classification used since January 1, 1936, and described in full in an article in Part IV of *British Rainfall* 1935. The diagram showing the full classification was printed in the volumes for 1935 to 1938.

A list of falls of "very rare" intensity lasting for *one hour or less* which were recorded between 1873 and 1938 was published in *British Rainfall* 1938, and a supplementary table giving similar data for the years 1939 to 1946 was printed in *British Rainfall* 1946. Additional falls have been mentioned year by year since then. Five such falls were reported in 1952; 1·73 in. in 25 minutes at Bredbury (Sewage Works) on July 1, 2·00 in. in 30 minutes at Wembley on August 6, 2·27 in. in 45 minutes at Worton (The Grange) on August 15, 2·56 in. in 48 minutes at Honiton on May 19 and 2·29 in. in 60 minutes at Sherborne on August 15.

In Table 6C there are 90 entries compared with 36 "noteworthy" falls recorded during 1951. This is the largest number recorded in Table 6C since 1935, when the total for Great Britain and Northern Ireland was 97. Table 6B, which gives the geographical distribution of these falls, shows that the greatest numbers occurred in south-west and south-east England, viz. 31 and 29 respectively. The number reported for south-west England was 18 more than the mean 1925-1951, while north-east England gave 12 more than the mean. These figures do not indicate, however, the actual relative frequencies of intense falls in the respective districts as the number of observers for a given area is much greater in the south-east of England than elsewhere.

In 1952 all the falls in Table 6C were confined to the period April 21 to September 10. There was only one in April, while two occurred in September. July and August had

34 and 32 respectively, and May and June 13 and 8.

The isolated fall entered for *April* resulted from a brief but severe thunderstorm which caused flooding in parts of Southport on the evening of the 21st.

The only entries in *May* were for the 18th to 20th, all but two of the falls occurring on the 19th. On the 18th the Skipton district of Yorkshire experienced intense rainfall. On the following afternoon and evening intense local rains were experienced in widely scattered areas, e.g. in Oxfordshire, Northamptonshire, Wiltshire, Devonshire and Surrey. During the day pressure was almost uniform at about 1018 mb. over the British Isles. The air was moderately dry above 3,000 ft., but in the south of England was very moist at low levels. The air mass became unstable when surface temperatures reached 74°F. and this temperature was attained in many places away from the coast (see *Meteorological Magazine*, Vol. 81, 1952, p. 249). At Honiton, Major J. M. Salusbury Trelawny commented on the narrow track of the local storm, nowhere more than 1½ miles wide, which passed down the valley of the Umborne Brook, accompanied by thunder and lightning and hailstones more than half an inch in diameter. A great deal of soil was washed off recently cultivated and sown fields belonging to Cotleigh Court and Cleverhayes Farms, and 4 ft. high walls on either side of the road immediately south of Cotleigh Court were demolished. At Old Malden, Surrey, the following estimates of intensity of the rain were made from the autographic record from the time the heavy rain started:—

> ·40 in. in 3 min.; ·60 in. in 4 min.; ·80 in. in 6 min.; 1·00 in. in 8 min.; 1·34 in. in 12 min.; 1·60 in. in 36 min.; 2·00 in. in 45 min.; 2·20 in. in 57 min.; 2·30 in. in 63 min.

The storm water disrupted traffic, flooded houses, shops and offices and put some 2,000 telephones out of action. There were reports in the Press of sudden storms in other areas, e.g. in Lancashire, Montgomeryshire, Derbyshire, Bedfordshire and Hampshire. On this day a small tornado caused considerable damage at Tibshelf, Derbyshire. An intense fall on the 20th was reported from Minehead.

Although thundery conditions occurred several times during *June* the entries in Table 6c refer only to the afternoon and night of the 13th. On that day intense rainfalls in isolated districts of the south of Englands and the Midlands were widespread; the Rev. K. E. Alexander of Kenton Vicarage, near Exeter, reported that torrential rain, accompanied by thunder and very vivid lightning, commenced there at 13h. 45m. Considerable damage was caused; the church tower was struck by lightning, electricity supplies and telephones in the district were put out of action and a number of houses were flooded. During a lull in the storm at 14h. 10m. the rain-gauge was visited and 1·13 in. was measured for the first 25 minutes of the storm, giving an entry of "remarkable" intensity. A further ·10 in. fell between then and 14h. 30m., giving 1·23 in. in 45 minutes. Half an hour later, at 15h. a storm was seen approaching the Long Ashton Agricultural Research Station, Bristol, from a north-easterly direction: "the storm was widespread and rainfall heavy but lightning discharges were comparatively few. After a slight lull about 16h. 30m. the storm became severe at 16h. 50m. with very heavy rain and lightning discharges, many to the ground, about every 30 seconds, lasting until 17h. 30m. For another 45 minutes the storm was slightly less severe and then gradually subsided. In 3 hours 45 minutes, commencing at 15h., there was as much as 1·98 in., out of a total for the whole storm of 2·21 in." As the time for the fall of 1·98 in. exceeded two hours there is no entry in Table 6c for this station. Storms were severe locally in parts of Gloucestershire and heavy rain was reported from some stations in Buckinghamshire. At North Mimms, Hertfordshire, a storm occurred late in the evening, giving 2·06 in. in 57 minutes, of which 1·72 in. fell

in 37 minutes from 22h. 23m. A storm at East Sheen, near Mortlake, began shortly before midnight; as much as 1·23 in. fell in 72 minutes, of which 1·15 in. was recorded in 24 minutes.

Of the 34 entries in Table 6c for *July*, as many as 26 were credited to the 1st, six to the 6th and one each to the 7th and 21st. The reports for the 1st refer mainly to the Midlands, especially Warwickshire, Derbyshire and the south of Yorkshire. The times of commencement of the noteworthy falls varied mainly between 16h. 48m. at Ringway (Manchester Airport) and 20h. 10m. at Finningley, to the east of Doncaster. At Wrexham the heavy rain began at 21h. 47m. giving 1·77 in. in 2 hours 18 minutes, of which ·92 fell in 50 minutes and ·73 in. in 40 minutes. Mr. S. E. Ashmore reported that lightning was first seen to the S.S.W. at 21h. 15m., and at 21h. 25m. the storm was 5 miles off; that for a period of 50 minutes the thunder was absolutely continuous, with two excessively big discharges separated by only half a second at 23h.; that the spectacle was majestic; that a number of separate cells passed over, the first discharged 1 mile N.E. at 21h. 50m., the second arrived quickly, being overhead at 21h. 57m., the third and main cell was overhead by 22h. 42m., the fourth was overhead by 23h. 35m. and the fifth began with rain at 1h. 51m., but was not severe. The most outstanding fall of the 1st was that at Bredbury, near Stockport, with 1·73 in. in 25 minutes commencing at 17h. 15m. Mr. H. V. Radcliffe (Rotherham) reported that a chimney stack and wireless aerial were struck by lightning in the vicinity of his station, and that the total for the day amounted to 2·14 in. Mr. J. Hurst, Manager of the Chesterfield Sewage Works, reported that the storm which gave 1·25 in. in 75 minutes approached from the west and was accompanied by intense lightning and heavy rain. A second storm approached from the south-west at 21h. There are four entries for Birmingham, of which that reported from Erdington, 1·63 in. in one hour, ranks as "remarkable". At Aspley, 2 miles north-west of Nottingham, Mr. G. Cawkwell reported that the storm commenced there at 19h. 25m. The air temperature fell from 76°F. at 18h. 11m. to 67° at 19h. 32m. The wind increased from force 2 from west to force 6 to 7 from north and decreased after the storm to force 2 from north. At Watnall, to the north of Nottingham, 1·19 in. occurred in 18 minutes, of which 1·00 in. fell in 11 minutes, ·8 in. in 8 minutes and ·6 in. in 6 minutes.

Of the six intense rains recorded during the early morning of the 6th, five occurred in the Minehead to Hemyock area and the sixth at Filton (Bristol). At Minehead 1·32 in. fell in 72 minutes, of which ·57 in. was recorded in 15 minutes. Mr. C. H. Archer (Wootton Courtenay) considers that there were probably similar noteworthy falls at Lype Hill, Withiel Hill and Sminhayes in the Brendon Hills. Further to the south-west at Sampford Arundel, near Wellington, the observer reported that 1·40 in. fell in 90 minutes and that although there was no evidence of hail there, at Wiveliscombe, some 5 miles to the north, there "was a fall of ice of all shapes and sizes, some about the size of bus tickets". At Hemyock, to the south of Wellington, there was a "remarkable" fall of 1·69 in. in 30 minutes and the neighbouring observer at Culmstock estimated that probably 1·25 in. fell in the first 20 minutes out of the 1·72 in. which occurred in 1 hour 45 minutes.

The fall on the 7th of 1·48 in. in 85 minutes occurred in the evening storm at Dundonnell House, near Little Loch Broom, in north-west Scotland. On the morning of the 21st a local storm gave a "remarkable" fall of 1·40 in. in 30 minutes at North Cadbury, near Wincanton, Somerset.

The 32 entries for *August* were mainly related to the Boreham Wood storm of the 6th and that on the 15th, the day of the memorable Lynmouth flooding. In addition there are entries for the 4th and 7th at Swinton ·

House, Berwickshire, and Rawtenstall, Lancashire, respectively. On the 1st, at Prestwick Airport, ·72 in. fell within 25 minutes commencing 17h. 50m., but this just failed to qualify for entry in the table. Of the 18 entries for the 6th the most striking is that of 2·00 in. in 30 minutes at Wembley. The distribution of the rainfall associated with the intense thunderstorm centred over Boreham Wood is shown in Section 7. Mr. H. T. Court considers that 3·25 in. must have fallen between 18h. and 20h., such an intense fall is not expected to occur, at any one station, more than once in two or three centuries (see *Meteorological Magazine*, Vol. 81, 1952, pp. 302-305).

There are twelve entries for the 15th. Seven of the entries are for the south-west of England, the others being distributed at Tenbury (to the west of Worcester), Willenhall (near Wolverhampton), Lympne (Kent), Chertsey (Surrey) and Blackburn. At Sherborne (to the east of Yeovil) the "very rare" fall of 2·29 in. in an hour about midday was followed by a fall of 1·27 in. in an hour commencing at 17h. Worton (to the south-west of Devizes) received a "very rare" fall commencing at 18h. 26m. At Wootton Courtenay, south of Minehead, the recording gauge gave no fall of sufficient intensity to justify inclusion in the table, the largest of the hourly values being ·92 in. and ·73 in. (see *Meteorological Magazine*, Vol. 81, 1952, p. 358). At Exford, further west, Miss Reed measured 2·37 in. for the 2 hours 5 minutes ending at 20h. 20m. followed by the noteworthy fall of ·77 in. in the next 20 minutes. It is considered that rather more than half the rainfall of the 15th in the Exmoor area was confined to the four hours 18h. 30m. to 22h. 30m. This means that over the area with more than 8 in. for the day (see Section 7) the mean rate was about one inch an hour and this was maintained for four hours.

The two entries for *September* are for the 10th, when intense local rains occurred on the Leicester-Northampton border. At Eyebrook Reservoir, Caldecott, 1·03 in. fell in 1 hour 15 minutes. At Kings Cliffe, 9 miles east of Caldecott, an inch is considered to have fallen in about one hour. Reports from Market Harborough indicate that the storm there was severe between 12h. 15m. and 13h. 10m. and was accompanied by hail. At Gretton, 3 miles east of Caldecott, 2·25 in. occurred in two hours commencing at 13h.

**Table 6c Heavy Falls in Short Periods in 1952**

| County and River Division | Station | Date | Amount | Began at | Duration | Rate per Hour |
|---|---|---|---|---|---|---|
| | **(a) EYE OBSERVATIONS** | | in. | h. m. | min. | in. |
| Nottingham . . .5 | Nottingham (Aspley) . . . . . | Jul. 1 | 1·23 | 19 25 | 15 | 4·92* |
| Somerset . . . . . 5 | Exford (Lower Thorne) . . . . . | Aug. 15 | ·77 | 20 20 | 20 | 2·31 |
| Stafford . . . . . 3 | Willenhall (Sewage Works) . . . . . | Aug. 15 | ·90 | 15 58 | 24 | 2·25 |
| Cheshire . . . . . 1 | Bredbury (Sewage Works) . . . . . | Jul. 1 | 1·73 | 17 15 | 25 | 4·15† |
| Devon, South . . 6 | Kenton (The Vicarage) . . . . . | Jun. 13 | 1·13 | 13 45 | 25 | 2·71* |
| Derby . . . . . 7 | Ilkeston (Sewage Works) . . . . . | Jul. 1 | 1·72 | 19 10 | 30 | 3·44* |
| Devon, South . . 6 | Hemyock (Culm Davy House) . . . . | Jul. 6 | 1·69 | 04 00 | 30 | 3·38* |
| Nottingham . . .5 | Hucknall (Watnall Road) . . . . . | Jul. 1 | 1·56 | 19 15 | 30 | 3·12* |
| Cheshire . . . . . 1 | Romiley (Greave) . . . . . | Jul. 1 | 1·50 | 17 30 | 30 | 3·00* |
| Derby . . . . . 7 | Morley Hall . . . . . | Jul. 1 | 1·49 | 19 15 | 30 | 2·98* |
| Somerset . . . . . 3 | North Cadbury . . . . . | Jul. 21 | 1·40 | 04 15 | 30 | 2·80* |
| Derby . . . . . 6 | Derby (Littleover Crescent) . . . . . | Jul. 1 | 1·43 | 19 00 | 35 | 2·45* |
| Derby . . . . . 7 | Ilkeston (New Stanton) . . . . . | Jul. 1 | 1·16 | 19 05 | 35 | 1·99 |
| Devon, North . 3 | Okehampton (Uplands) . . . . . | Aug. 6 | 1·42 | 12 45 | 40 | 2·13* |
| Wiltshire . . . . . 1 | Worton (The Grange) . . . . . | Aug. 15 | 2·27 | 18 26 | 45 | 3·03† |

| County and River Division | Station | Date | Amount | Began at | Duration | Rate per Hour |
|---|---|---|---|---|---|---|
| | **(a) EYE OBSERVATIONS**—*Contd.* | | in. | h. m. | min. | in. |
| Warwick.....4 | Birmingham (Walsall Road)..... | Jul. 1 | 1·11 | 17 45 | 45 | 1·48 |
| Derby.....6 | Wirksworth (West End)..... | Jul. 1 | 1·10 | 18 45 | 45 | 1·47 |
| Oxford.....3 | Hampton Poyle (Old Rectory).... | May 19 | ·90 | 16 45 | 45 | 1·20 |
| Yorks, W.R. ..7 | Rotherham (Ramsden Road)..... | Jul. 1 | 1·46 | 19 18 | 46 | 1·90* |
| Devon, South..7 | Honiton (Cotleigh House)..... | May 19 | 2·56 | 15 52 | 48 | 3·20† |
| Somerset.....3 | Kingston St. Mary..... | Jun. 13 | 1·40 | 15 00 | 50 | 1·68* |
| Warwick.....4 | Handsworth (Howard Road)..... | Jul. 1 | 1·32 | 17 35 | 50 | 1·58 |
| Dorset.....1 | Sherborne (Seafield Cottage)..... | Aug. 15 | 2·29 | 12 15 | 60 | 2·29† |
| Surrey.....5 | New Malden (High Drive)..... | May 19 | 1·66 | 16 30 | 60 | 1·66* |
| Warwick.....4 | Birmingham (Erdington, Spring La) | Jul. 1 | 1·63 | 17 15 | 60 | 1·63* |
| Somerset.....3 | Bishops Lydeard (Ash Priors)..... | Aug. 6 | 1·43 | 14 00 | 60 | 1·43 |
| Dorset.....1 | Sherborne (Seafield Cottage)..... | Aug. 15 | 1·27 | 17 00 | 60 | 1·27 |
| Middlesex.....1 | Willesden (Stonebridge Park)..... | Aug. 6 | 1·25 | 18 00 | 60 | 1·25 |
| Gloucester....7 | Lechlade (St. John's Lock)..... | Aug. 6 | 1·12 | 16 30 | 60 | 1·12 |
| Worcester.....1 | Tenbury (Belle View)..... | Aug. 15 | 1·00 | 15 45 | 60 | 1·00 |
| Northampton..4 | Blisworth (Grand Union Canal)... | May 19 | 1·98 | 17 32 | 63 | 1·89* |
| Somerset.....3 | Crewkerne (Bincombe House)..... | Jun. 13 | 1·21 | 14 45 | 65 | 1·12 |
| Hertford.....2 | Northwood (St. Mary's Avenue).. | Aug. 6 | 2·80 | 18 30 | 70 | 2·40† |
| Oxford.....3 | Kidlington (Shipton Manor)..... | May 19 | 2·30 | 16 30 | 75 | 1·84* |
| Somerset.....3 | Wiveliscombe (Bournes)..... | Jul. 6 | 1·87 | 03 45 | 75 | 1·50* |
| Oxford.....3 | Oxford (Osney Lock)..... | Aug. 6 | 1·42 | 18 00 | 75 | 1·14 |
| Yorks, W.R. ..7 | Rotherham (Herringthorpe)..... | Jul. 1 | 1·42 | 19 15 | 75 | 1·14 |
| Yorks, W.R. ..7 | Rotherham (Broom Lane)..... | Jul. 1 | 1·14 | 19 15 | 75 | ·91 |
| Dorset.....1 | Sherborne (Sewage Disposal Wks.) | Aug. 15 | 2·11 | 12 00 | 80 | 1·58* |
| Dorset.....1 | Sherborne (Barton Gardens)..... | Aug. 15 | 1·89 | 12 00 | 80 | 1·42* |
| Ross & Crom..7 | Dundonnell House..... | Jul. 7 | 1·48 | 18 07 | 85 | 1·04 |
| Surrey.....5 | New Malden (Acacia Grove)..... | May 19 | 2·15 | 16 45 | 90 | 1·43* |
| Somerset.....3 | Sampford Arundel (Sandfield).... | Jul. 6 | 1·40 | 03 45 | 90 | ·93 |
| Middlesex.....1 | Rayners Lane (High Worple)..... | Aug. 6 | 2·74 | 18 35 | 105 | 1·57† |
| Devon, South..6 | Culmstock (Woodgate Farm)..... | Jul. 6 | 1·72 | 03 30 | 105 | ·98 |
| Middlesex.....1 | Harrow (Welldon Crescent)..... | Aug. 6 | 2·80 | 18 40 | 120 | 1·40† |
| Northampton..5 | Gretton (Hillside)..... | Sep. 10 | 2·25 | 13 00 | 120 | 1·13* |
| Middlesex.....1 | Harrow (Eastcote Lane)..... | Aug. 6 | 2·20 | 18 30 | 120 | 1·10* |
| Hertford.....4 | Barley (Dalnyveed)..... | Jun. 13 | 2·06 | 13 00 | 120 | 1·03* |
| Somerset.....1 | Barrow Gurney Reservoir..... | Jun. 13 | 2·00 | 17 00 | 120 | 1·00* |
| Middlesex.....1 | Hayes..... | Aug. 6 | 1·75 | 18 00 | 120 | ·87 |
| Lancashire, C..1 | Blackburn (Witton)..... | Aug. 15 | 1·19 | 14 00 | 120 | ·59 |
| Middlesex.....1 | *Rayners Lane (High Worple)*..... | *Aug. 6* | *1·53* | *18 35* | *35* | *2·62** |
| | **(b) AUTOGRAPHIC RECORDS** | | | | | |
| Cheshire.....1 | Arnfield Reservoir..... | Jul. 1 | 1·03 | 17 39 | 13 | 4·75* |
| Yorks, W.R. ..6 | Finningley Airfield..... | Jul. 1 | ·75 | 20 10 | 15 | 3·00 |
| Berwick.....3 | Swinton House..... | Aug. 4 | ·65 | 14 10 | 15 | 2·60 |
| Nottingham...5 | Watnall..... | Jul. 1 | 1·19 | 19 24 | 18 | 3·97* |
| Yorks, W.R. ..9 | Skipton (Town Hall)..... | May 18 | 1·00 | 15 00 | 20 | 3·00 |
| Lancashire, C..3 | Southport (Bedford Road Park)... | Apr. 21 | ·73 | 19 42 | 20 | 2·19 |
| Somerset.....4 | Minehead (Blenheim Gardens).... | May 20 | ·78 | 17 12 | 22 | 2·13 |
| Surrey.....5 | East Sheen (Cemetery)..... | Jun. 14 | 1·15 | 00 12 | 24 | 2·88* |
| Middlesex.....1 | Wembley (Town Hall)..... | Aug. 6 | 2·00 | 19 10 | 30 | 4·00† |
| Derby.....8 | Chesterfield (Linacre Filters)..... | Jul. 1 | 1·18 | 19 00 | 30 | 2·36 |
| Derby.....6 | Burbage (Lower Burbage)..... | Jul. 1 | 1·08 | 19 30 | 30 | 2·16 |
| Warwick.....4 | Birmingham (Handsworth Pk.).... | Jul. 1 | ·95 | 17 25 | 30 | 1·90 |
| Wiltshire.....3 | Porton (C.D.E.E.)..... | May 19 | ·91 | 13 55 | 30 | 1·82 |
| Kent.....2 | Lympne Airport..... | Aug. 15 | ·92 | 08 18 | 36 | 1·53 |
| Yorks, W.R. ..7 | Langsett Reservoir..... | Jul. 1 | ·85 | 19 15 | 36 | 1·42 |

| County and River Division | Station | Date | Amount | Began at | Duration | Rate per Hour |
|---|---|---|---|---|---|---|
| | **(b) AUTOGRAPHIC RECORDS—** *Contd.* | | in. | h. m. | min. | in. |
| Yorks, W.R. . .7 | Rotherham (Aldwarke Sewage Wks.) | Jul. 1 | 1·20 | 19 12 | 38 | 1·89 |
| Lancashire, S. .3 | Rawtenstall (Green Fold Res.) .... | Aug. 7 | 1·08 | 17 30 | 40 | 1·62 |
| Middlesex.....1 | Isleworth (Mogden Works) ..... | Aug. 6 | 1·00 | 19 36 | 42 | 1·43 |
| Surrey .....7 | Chertsey (Lyne Farm Sewage Wks.) | Aug. 15 | ·91 | 19 24 | 42 | 1·30* |
| Hertford .....2 | Garston (Building Research Stn.).. | Aug. 6 | 1·61 | 17 40 | 45 | 2·15 |
| Worcester.....2 | Worcester (Waterworks) ..... | Aug. 6 | 1·16 | 12 25 | 45 | 1·55 |
| Cheshire .....1 | Ringway (Manchester Airport).... | Jul. 1 | 1·04 | 16 48 | 45 | 1·39 |
| Surrey .....6 | Shottermill (Sewage Works) ..... | May 19 | 1·00 | 13 53 | 48 | 1·25 |
| Devon, South..2 | Plymouth (Mount Batten)..... | Aug. 15 | ·98 | 12 12 | 48 | 1·23 |
| Hertford .....2 | North Mimms (Pumping Station) . | Jun. 13 | 2·06 | 22 23 | 57 | 2·17* |
| Gloucester ....5 | Bristol (Filton)..... | Jun. 13 | 1·30 | 16 05 | 60 | 1·30 |
| Buckingham...3 | High Wycombe (Pann Mill P.S.) .. | Aug. 6 | ·98 | 17 55 | 60 | ·98 |
| Gloucester ....5 | Bristol (Filton)..... | Jul. 6 | ·98 | 05 45 | 60 | ·98 |
| Surrey .....5 | Old Malden (Sports Ground)..... | May 19 | 2·30 | 16 57 | 63 | 2·19† |
| Somerset.....4 | Minehead (Blenheim Gardens).... | Jul. 6 | 1·32 | 04 05 | 72 | 1·10 |
| Derby .....8 | Chesterfield (Sewage Works)..... | Jul. 1 | 1·25 | 17 15 | 75 | 1·00 |
| Leicester .....2 | Caldecott (Eyebrook Reservoir)... | Sep. 10 | 1·03 | 11 05 | 75 | ·82 |
| Surrey .....5 | Weybridge (Weyland Sewage Wks.) | Aug. 6 | 1·20 | 19 36 | 80 | ·90 |
| Middlesex.....1 | Ruislip ..... | Aug. 6 | 2·13 | 18 20 | 85 | 1·50* |
| Surrey .....5 | New Malden (Kingston Vale)..... | May 19 | 1·52 | 16 36 | 93 | ·98 |
| Hertford .....2 | North Mimms (Pumping Station) . | Aug. 6 | 1·57 | 17 45 | 100 | ·94 |
| Denbigh .....1 | Wrexham (Grove Park School) ... | Jul. 1 | 1·56 | 21 47 | 120 | ·78 |
| Surrey .....5 | Worcester Park (Sewage Works) .. | May 19 | 1·30 | 16 06 | 120 | ·65 |
| Surrey .....5 | *Old Malden (Sports Ground)* ..... | *May 19* | *1·34* | *16 57* | *12* | *6·70** |
| Surrey .....5 | *East Sheen (Cemetery)* ..... | *Jun. 13* | *1·23* | *23 36* | *72* | *1·03* |

* " Remarkable " fall. † " Very Rare " fall.

## Table 6D Number of Days on which specified amounts of Rain fell in specified times during 1952

| County | Station | 10 mm. (0·4 inch) within | | | | | 15 mm. (0·6 inch) within | | | | | 20 mm. (0·8 inch) within | | | | 25 mm. (1·0 inch) within | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 5 mins. | 15 mins. | 30 mins. | 1 hr. | 2 hrs. | 15 mins. | 30 mins. | 1 hr. | 2 hrs. | 5 hrs. | 30 mins. | 1 hr. | 2 hrs. | 5 hrs. | 1 hr. | 2 hrs. | 5 hrs. | 24 hrs. |
| London | Camden Square | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Surrey | Croydon | 0 | 0 | 1 | 3 | 3 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ,, | Kew | 0 | 1 | 3 | 4 | 6 | 0 | 1 | 1 | 2 | 4 | 0 | 1 | 1 | 2 | 0 | 1 | 1 | 2 |
| Kent | Lympne | 0 | 1 | 1 | 1 | 2 | 0 | 1 | 1 | 2 | 4 | 0 | 1 | 1 | 2 | 0 | 0 | 1 | 2 |
| Hampshire | South Farnborough | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Berkshire | Reading (Caversham Lock) | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| ,, | Abingdon | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Bedfordshire | Cranfield | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Suffolk | Mildenhall | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| Devonshire | Plymouth (Mount Batten) | 0 | 1 | 1 | 1 | 4 | 0 | 1 | 1 | 1 | 6 | 0 | 1 | 1 | 2 | 1 | 1 | 1 | 7 |
| Gloucestershire | Bristol (Filton) | 0 | 2 | 2 | 3 | 5 | 0 | 1 | 2 | 4 | 6 | 1 | 2 | 2 | 4 | 2 | 2 | 4 | 4 |
| Warwickshire | Elmdon | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 |
| Lincolnshire | Cranwell | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 2 | 2 | 2 | 0 | 0 | 1 | 2 | 0 | 1 | 1 | 1 |
| Cheshire | Manchester (Ringway) | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Lancashire | Southport | 0 | 1 | 1 | 1 | 4 | 1 | 1 | 1 | 1 | 3 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 2 |
| Yorkshire | Dishforth | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 3 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 |
| Northumberland | Acklington | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Cumberland | Keswick | 0 | 0 | 2 | 4 | 10 | 0 | 0 | 0 | 3 | 9 | 0 | 0 | 0 | 5 | 0 | 0 | 3 | 8 |
| Cardiganshire | Aberporth | 0 | 0 | 1 | 3 | 6 | 0 | 0 | 1 | 1 | 6 | 0 | 0 | 1 | 3 | 0 | 0 | 1 | 6 |
| Anglesey | Holyhead (Valley) | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 |
| Dumfrieshire | Eskdalemuir | 0 | 0 | 0 | 1 | 7 | 0 | 0 | 0 | 1 | 9 | 0 | 0 | 0 | 4 | 0 | 0 | 1 | 7 |
| Ayrshire | Prestwick | 0 | 1 | 1 | 1 | 5 | 0 | 0 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 1 |
| Renfrewshire | Renfrew | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Fifeshire | Leuchars | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 1 | 3 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| Aberdeenshire | Dyce Airport | 0 | 0 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Shetland Islands | Lerwick | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 3 |
| Co. Fermanagh | Castle Archdale | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Co. Antrim | Aldergrove | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |

The falls are not necessarily continuous nor are they always confined to one calendar day. Not more than one fall of each specified amount is credited to any day; if more than the specified amount fell on any day, that part of it which fell in the shortest time is used for the table. An entry in any of the first four columns under the heading 10 mm. (0·4 inch) naturally recurs in the column or columns to the right, and there is a similar recurrence of the entries under the headings 15 mm. (0·6 inch), 20 mm. (0·8 inch) and 25 mm. (1·0 inch).

# 7 Heavy Falls on Rainfall Days in 1952

The daily measurements of rain which are set out in this Section are (*a*) falls amounting to 2½ inches or more on the rainfall day, and (*b*) falls which amount to at least 7½ per cent of the total recorded for the year 1952. A fall of 2½ inches in a day at any station is sufficiently remarkable to be noticed, but it is likely to be of more frequent occurrence in areas which are normally wet, such as mountainous districts, than elsewhere. Hence the criterion of 7½ per cent is introduced as well in order to admit certain falls of less than 2½ inches in areas where the total rainfall of the year does not exceed 33·3 inches.

A summary of the contents of this Section in each of the seventy volumes of *British Rainfall*, 1865–1934, was set out in an article in Part IV of *British Rainfall* 1934. The article also included a list of the absolute highest daily rainfall and the absolute highest daily percentage recorded in each year. Corresponding figures for the years 1935 to 1952 are set out in Table 7A.

**Table 7A—Maximum Daily Fall and Maximum Percentage**

| Year | ABSOLUTE HIGHEST RAINFALL | | | | ABSOLUTE HIGHEST PERCENTAGE | | | | Year |
|---|---|---|---|---|---|---|---|---|---|
| | in. | Per cent | Station | Div. | Per cent | in. | Station | Div. | |
| 1935 | 6·16 | 5·7 | New Dungeon Ghyll | X | 12·2 | 4·83 | Batheaston Reservoir | V | 1935 |
| 1936 | 5·80 | .. | Glenshiel ..... | XVIII | 12·8 | 3·97 | St. Albans (Oaklands) | III | 1936 |
| 1937 | 5·76 | 18·2 | Waltham-on-Wolds .. | VII | 18·2 | 5·76 | Waltham-on-Wolds . | VII | 1937 |
| 1938 | 7·14 | 5·2 | Buttermere (Hassness) | X | 15·4 | 5·61 | Torquay (Abbey Park) | V | 1938 |
| 1939 | 5·08 | 4·8 | Blaenau Festiniog ... | XI | 11·8 | 4·01 | Milford W.W..... | VI | 1939 |
| 1940 | 6·23 | 6·8 | Rhondda (Llyn Fawr) | XI | 14·7 | 4·18 | Scarborough (Osgodby) | IX | 1940 |
| 1941 | 5·10 | 9·2 | Merthyr Tydfil ..... | XI | 18·8 | 4·54 | Wickham Bishops ... | IV | 1941 |
| 1942 | 5·33 | 6·2 | Grange-in-Borrowdale | X | 12·0 | 3·55 | Burnham (Chalbury) | V | 1942 |
| 1943 | 4·44 | 4·6 | Grange-in-Borrowdale | X | 10·5 | 2·78 | Torphins School House | XVII | 1943 |
| 1944 | 5·20 | 3·2 | Snowdon (Llydaw In.) | XI | 14·0 | 4·45 | Kilve (Harefield) .... | V | 1944 |
| 1945 | 4·85 | 5·4 | Borrowdale (Moraine) | X | 16·6 | 3·82 | Boston (Grand Sluice) | VII | 1945 |
| 1946 | 6·83 | 6·4 | Princetown (H.M. Prison)..... | V | 12·6 | 3·48 | Doxford Hall ..... | X | 1946 |
| | | | | | 12·6 | 3·51 | Chathill (Preston Twr.) | X | 1946 |
| 1947 | 6·28 | 6·4 | Glenquoich..... | XVIII | 20·8 | 5·04 | Wisley (Outfall Wks.) | II | 1947 |
| 1948 | 6·21 | 17·0 | Kelso (Floors) ..... | XII | 17·0 | 6·21 | Kelso (Floors) ..... | XII | 1948 |
| 1949 | 6·04 | 3·5 | Glenshiel (Kyle) .... | XVIII | 19·1 | 4·12 | March ..... | III | 1949 |
| 1950 | 4·55 | 4·2 | Coniston (Holywath) | X | 11·2 | 3·04 | Fordham(LondonHse.) | III | 1950 |
| 1951 | 4·53 | 4·0 | Thirlmere (Dale Head) | X | 9·9 | 3·34 | Oxford (Radcliffe) .. | III | 1951 |
| 1952 | 9·00 | 10·7 | Longstone Barrow .. | V | 14·7 | 4·83 | Boreham Wood..... | III | 1952 |

The year will for long be remembered for the storm over Exmoor on August 15 which resulted in the disastrous Lynmouth flood. The storm produced one of the heaviest falls in a rainfall day yet recorded in the British Isles, namely 9·00 inches measured at Longstone Barrow at an altitude of 1,550 feet in North Devonshire. Only two other authenticated rainfall-day measurements have been greater, 9·56 inches on June 28, 1917, at Rhondda valley of November 11, 1929, when 8·31 inches was measured at Lluest Wen Reservoir, at 1,280 feet.

Four other falls exceeded 4·00 inches in a rainfall day on various dates in August and September. That of 4·83 inches on August 6 at Boreham Wood (Furzehill Road) is of interest for its great intensity and has been mentioned in Section 6; it is also worthy of notice as the heaviest fall in a rainfall day of

**Table 7B The largest Daily Rainfalls in 1952**

| Date | | Div. | Station | Amount | Per cent of Year | Total for Year |
|---|---|---|---|---|---|---|
| | | | | in. | % | in. |
| Aug. | 15 | V | Longstone Barrow | 9·00 | 10·7 | 84·12 |
| ,, | .. | ,, | Challacombe | 7·58 | 9·8 | 77·75 |
| ,, | .. | ,, | Simonsbath (Honeymead) | 7·35 | 9·9 | 74·01 |
| ,, | .. | ,, | Exford (Lower Thorne) | 4·96 | 7·3 | 68·33 |
| Aug. | 6 | III | Boreham Wood (Furzehill Road) | 4·83 | 14·7 | 32·95 |
| Aug. | 15 | V | Kinsford Gate (Quarry) | 4·80 | 5·7 | 84·79 |
| ,, | .. | ,, | Drewsteignton (Newton Barton) | 4·77 | 11·7 | 40·86 |
| ,, | .. | ,, | Kinsford Gate (Span Head) | 4·76 | 5·6 | 84·60 |
| ,, | .. | ,, | Culbone (Lillycombe) | 4·50 | — | — |
| ,, | .. | ,, | Torrington (Caynton House) | 4·45 | 9·8 | 45·48 |
| ,, | .. | ,, | Okehampton (Uplands) | 4·42 | 7·7 | 57·60 |
| ,, | .. | ,, | Okehampton (Waterworks) | 4·24 | 7·3 | 58·24 |
| Sep. | 24 | XVIII | Glenshiel (Kyle) | 4·21 | 3·1 | 134·11 |
| Aug. | 9 | IX | Slaidburn (Langden Brook) | 4·15 | 5·8 | 72·04 |
| Aug. | 15 | XVII | Ballater (Birkhall Sawmill) | 4·10 | 12·5 | 32·81 |
| ,, | .. | V | Wootton Courtenay (Ford Cottage) | 4·08 | 7·6 | 53·48 |
| ,, | .. | ,, | Beaworthy (Shebbear College) | 4·06 | 7·7 | 52·74 |

Bruton, and 9·40 inches on August 18, 1924, at Cannington, both in Somerset. On August 15 there were 12 other measurements in Devonshire and Somerset which exceeded 4·00 inches for the day. Two of these, 7·58 inches at Challacombe, 850 feet, and 7·35 inches at Simonsbath (Honeymead), 1,250 feet, both within a few miles of Longstone Barrow, rank as the thirteenth and fourteenth respectively among the heaviest falls yet measured for a rainfall day. Even these two smaller falls have been exceeded in only 7 separate recorded storms from 1865 to 1951, one of the most recent being the storm over the the year (apart from the Exmoor storm) and as the heaviest which has yet been recorded in Hertfordshire or any adjacent county. The fall also ranks as the highest percentage of the year's total to be recorded in one day in 1952, though this percentage is not in itself outstanding. One other occasion may be specially noticed: 4·10 inches on August 15 at Ballater (Birkhall Sawmill). The storm over Aberdeenshire which produced this very heavy local fall was quite distinct from the Exmoor storm in its meteorological origin. The records have been searched without result to find another instance in which two

separate storms on the same day, far removed from each other in Britain, have both produced falls exceeding 4·00 inches. For all other concurrent falls that might appear comparable there have been orographic influences which, though operating in different districts, were within the field of action of a single widespread disturbance. Moreover, with only one exception (May 31, 1924) the main effects of this kind have always been on high ground in the western half of Britain, in areas which are normally very wet.

Dates of occurrence and measurements of the 17 largest falls of rain during 1952 are given in Table 7B. The table shows also the total amount for the year and the percentage of this total accounted for by the highest daily fall.

Of the 262 falls which reached or exceeded $2\frac{1}{2}$ inches, 104 reached or exceeded 3 inches and 17 exceeded 4 inches. These figures are very similar to the average yearly values which are available for the period since 1934, but 101 of the falls of $2\frac{1}{2}$ inches or more, 51 of 3 inches or more, and 14 of 4 inches or more occurred on August 15. The falls listed for August 6 have been reduced by 32 by raising the limit to 2·5 inches, and those for August 9 and 15 by 20 and 56 respectively, by raising the limit to 3·00 inches.

In the tables included in the following account of the heavy falls of the year, a daily fall which is the maximum fall for the year at the station is indicated by ordinary roman type ; other falls are in *italics*.

## CHRONICLE

The amounts in this section cover the 24 hours commencing at 9 a.m. GMT. on the day of entry.

Although there were several storms in *January* there were few really heavy falls. Those which did occur were on high ground in the western half of Britain where rainfall was for the most part above average. The heaviest falls of the month were in North Wales on the 10th, though there were also falls exceeding 2 inches on the 13th (in Cumberland) and on the 30th (in west Scotland and South Wales). There was no prolonged or widespread flooding.

**January 10**

| | *in.* | or % |
|---|---|---|
| *Montgomeryshire* | | |
| Machynlleth (Ceinws Camp) ..... | 2·94 | 4·0 |
| *Merionethshire* | | |
| Mallwyd (Penygeulan) ..... | 2·57 | 3·6 |

*February* was dry on the whole. The weather was less unsettled than in January and there are only five entries for this Section.

**February 5**

| | *in.* | or % |
|---|---|---|
| *Inverness-shire* | | |
| Loch Quoich (Kinlochquoich) ..... | *2·75* | 2·2 |

**February 10**

| | | |
|---|---|---|
| *Merionethshire* | | |
| Llyn Morwynion ..... | 2·65 | 3·2 |
| Mallwyd (Penygeulan) ..... | 2·57 | 3·6 |
| *Caernarvonshire* | | |
| Snowdon (Cwm Dyli) ..... | *2·87* | 2·3 |
| Snowdon (Cwm Dyli, Old Road) ... | *2·83* | 2·4 |

In *March* the weather became more unsettled and in the opening days of the month there was heavy rain in the west and north. More general rain occurred on the 6th and 7th and though the measured daily falls exceeding $2\frac{1}{2}$ inches were confined to Wales, there was sufficient rain to cause serious flooding in Perthshire, Angus and Aberdeenshire where the 'Dee, Don and Isla were among the rivers which overflowed. The ground was saturated in other parts of the country and with further rain in southern England early on the 9th there was more flooding, East Anglia and parts of the Midlands being badly affected. The Nene, the Welland, the Essex Stour, and the Brent at Perivale all overflowed. The Trent rose rapidly, though it did not overtop its banks, and some roads in Somerset were reported under water. Heavy rain occurred again on the 21st but without flooding. Snow fell from the 27th onwards and was remarkably heavy in some southerly areas of England on the

29th, but this precipitation did not contribute any falls sufficiently heavy for inclusion in this Section.

**March 2**

| | *in.* | or % |
|---|---|---|
| *Merionethshire* | | |
| Blaenau Festiniog (Oakeley Qu.) | 3·85 | 4·2 |
| Blaenau Festiniog (Llechwedd Qu.) | 3·38 | 3·8 |
| *Caernarvonshire* | | |
| Snowdon (Cwm Dyli) | 3·90 | 3·1 |
| Snowdon (Cwm Dyli, Old Road) | 3·75 | 3·1 |
| *Argyllshire* | | |
| Ardgour (Inversanda) | *2·95* | 3·1 |

**March 6**

| | | |
|---|---|---|
| *Glamorgan* | | |
| Maesteg (Isolation Hospital) | 2·50 | 4·0 |
| Maesteg (Welfare Park) | 2·61 | 3·8 |
| *Merionethshire* | | |
| Blaenau Festiniog (Oakeley Qu.) | *3·11* | 3·4 |
| Blaenau Festiniog (Llechwedd Qu.) | *2·61* | 2·9 |
| *Caernarvonshire* | | |
| Snowdon (Llydaw Intake) | *2·70* | 2·1 |

**March 21**

| | | |
|---|---|---|
| *Merionethshire* | | |
| Blaenau Festiniog (Oakeley Qu.) | *2·60* | 2·8 |
| Blaenau Festiniog (Llechwedd Qu.) | *2·86* | 3·2 |

*April* was characterized by outbreaks of the thundery weather which continued intermittently throughout the summer and culminated in the remarkable storms of August. There were some fairly intense short-lived storms, causing temporary flooding which was almost entirely urban, but no particularly heavy daily falls. Amounts approaching 2½ inches were recorded in North Wales and Perthshire on the 21st in association with a secondary depression.

Thundery weather persisted for the first 11 days of *May*. The heaviest rain in this period occurred in the London area and the Midlands on the 4th when temporary flooding affected many areas, not exclusively urban, in south London, Northamptonshire, Wiltshire, Somerset, Gloucestershire, Staffordshire, Worcestershire, Warwickshire and Leicestershire. The Severn at Worcester rose by 2 feet and the Avon at Evesham by more than 5 feet. The remainder of the month was not stormy except for the 19th-20th. Most places recorded their highest temperatures of the month during the preceding three days, and this warm weather was interrupted by widespread thunderstorms over England and Wales, with heavy rain and fierce hailstorms, particularly on the 19th; the more intense falls were very local, but few areas from Lancashire and Yorkshire southwards remained storm-free. Flooding and hail damage occurred in many places.

**May 4**

| | *in.* | or % |
|---|---|---|
| *Kent* | | |
| Anerley (Oakfield Road) | 2·07 | 7·7 |
| Erith (Crossness) | 1·57 | 7·7 |
| *Northamptonshire* | | |
| Rushden (Cemetery) | 2·00 | 8·0 |
| Wellingborough (Ironworks) | 2·16 | 9·6 |
| *Leicestershire* | | |
| Countesthorpe (Wigston Sewage Fm.) | 2·25 | 8·8 |
| Leicester (London Road) | 2·15 | 8·2 |

**May 19**

| | | |
|---|---|---|
| *Surrey* | | |
| Old Malden (Sports Ground) | 2·37 | 8·6 |
| New Malden (Acacia Grove) | 2·15 | 8·1 |
| *Berkshire* | | |
| Wokingham (Sindlesham House) | 2·25 | 8·5 |
| Wokingham (Winnersh Nursery) | 2·89 | 11·4 |
| Earley (Wokingham Road) | 2·75 | 10·7 |
| *Oxfordshire* | | |
| Kidlington (Skipton Manor) | 2·34 | 8·5 |
| *Devonshire* | | |
| Honiton (Cotleigh House) | 2·56 | 5·3 |
| *Brecknockshire* | | |
| Taf Fechan (Pentwyn Reservoir) | 2·51 | 3·5 |

During the opening days of *June* there were further thunderstorms, especially on the 2nd and 5th. London was affected on the first of these two days, and the Midlands on both. Falls were not exceptionally heavy and the few which are listed for the 5th are worthy of mention only because they occurred in an area with a very low rainfall for the year, one storm having contributed 8 to 10 per

cent of the total. Severe thunderstorms broke out on the 13th in association with a depression which moved over southern England from the Bay of Biscay. Sudden flooding of streets and roads occurred both in large towns and in country districts, and lightning damage was widespread. Districts which experienced heavy storms included London and the Home Counties, East Anglia, the Midlands, the south-west, and Yorkshire. The cities which suffered most seriously from lightning and flood were Bristol, Gloucester and, to a lesser extent, Nottingham. The remaining heavy falls of the month, which occurred on the 21st, followed a change of weather type and were due to an Atlantic depression the centre of which moved across the Border country to the North Sea; these falls were in the mountainous districts of the west, notably in North Wales.

**June 5**

| | *in.* | or % |
|---|---|---|
| *Nottinghamshire* | | |
| Worksop (Sunnyside Waterworks) .. | 1·66 | 8·5 |
| Retford (Sewage Disposal Works)... | 1·45 | 9·1 |
| Worksop (Wigthorpe Hill) ..... | 1·80 | 9·6 |

**June 13**

| | | |
|---|---|---|
| *Hertfordshire* | | |
| Barley (Dalnyveed) ..... | *2·06* | 7·8 |
| *Northamptonshire* | | |
| Blisworth (Grand Union Canal) .... | 1·97 | 8·1 |
| *Cambridgeshire* | | |
| Melbourn (County School)..... | 3·17 | 11·9 |
| *Nottinghamshire* | | |
| Nottingham (Basford Waterworks).. | 1·86 | 7·5 |
| Nottingham (Woodthorpe) ..... | 1·88 | 7·8 |

**June 21**

| | | |
|---|---|---|
| *Merionethshire* | | |
| Llyn Morwynion ..... | *2·51* | 3·0 |
| Manod Ffestiniog..... | 3·13 | 3·9 |
| Blaenau Festiniog (Oakeley Qu.).... | *3·24* | 3·5 |
| Blaenau Festiniog (Llechwedd Qu.).. | *3·16* | 3·5 |
| *Caernarvonshire* | | |
| Snowdon (Cwm Dyli) ..... | *2·90* | 2·3 |
| Snowdon (Cwm Dyli, Old Road) ... | *2·77* | 2·3 |

*July* began with severe thunderstorms. During the last few days of June temperatures for the first time surpassed the levels reached in the warm spell in mid-May. As on the earlier occasion thundery tendencies began to develop only locally at first. Then on July 1-2 a depression from the Bay of Biscay moved north-north-east across England and the storms became widespread over the Midlands and the north. East Anglia and Northern Ireland were also within the thunderbelt though rainfall was not exceptional in these outlying areas. The storms occurred mainly on the evening of the 1st, after a very hot day, and continued until the early hours of the 2nd. Lightning discharges to earth were remarkably frequent and several accounts show that the displays were unusually spectacular. There was also much damage, including fires started by lightning and the interruption of electric power supplies over wide areas. In some of the larger towns and cities there were dozens of houses struck by lightning and in country areas many animals were lost. Two people were killed. Even where the total fall was not exceptional the rain was often very intense, and street-floods with serious damage occurred in places too numerous to mention. Birmingham, Nottingham, Derby, Stockport and Sheffield were among the larger centres which suffered severely, and the main storm area extended at least as far as Wrexham in the west and in Yorkshire it reached Hull, York and Whitby. Widespread thunderstorms also occurred on the 6th-7th and there were further outbreaks later in the month, but there were no more heavy falls. In parts of the Midlands well over half the rainfall of the month fell on the 1st.

**July 1**

| | *in.* | or % |
|---|---|---|
| *Derbyshire* | | |
| Chapel-en-le-Frith (Ford Hall) ..... | 2·50 | 5·7 |
| Derby (The Arboretum) ..... | 1·97 | 8·4 |
| *Cheshire* | | |
| Stockport (Bredbury Sewage Works) | 2·43 | 7·6 |

| *Yorkshire* | *in.* | or % |
|---|---|---|
| Rotherham (Broom Lane) | 1·76 | 9·0 |
| Rotherham (Herringthorpe) | 2·26 | 11·7 |
| Rotherham (Ramsden Road) | 2·14 | 11·3 |
| Rotherham (Thrybergh) | 1·76 | 8·4 |
| Mexborough | 2·24 | 12·9 |
| Bolton-on-Dearne (Goldthorpe) | 1·71 | 8·8 |
| Bentley Colliery | 1·41 | 7·8 |
| Kirk Bramwith | 1·61 | 10·2 |
| Rawcliffe (Black Drain P.S.) | 2·07 | 11·5 |

The heavy falls recorded in *August* numbered more than three-fifths of the year's aggregate and included all but one of those exceeding 4 inches. Though the majority of these falls occurred on the 15th (accounting for nearly two-fifths of the total for the year), it was, even apart from that day, the outstanding month of 1952 in respect of heavy falls, with 9 out of the 36 occasions which are tabulated here. In the opening days of the month there were thunderstorms in many areas of England and Wales though there were no falls exceeding 2 inches in the rainfall day. Then on the 6th a small depression moving northwards from France passed over south-east England resulting, in the evening, in a very severe thunderstorm over London, Middlesex and Hertfordshire. An account of the storm, with a discussion of the synoptic situation and of some of the more intense falls and their effects, appeared in the *Meteorological Magazine* for October 1952. The accompanying map shows the distribution of rainfall. In addition to the main centre of heavy rain, surrounded by an area greater than 200 square miles which received more than 2 inches, it shows a number of subsidiary centres with more than 2 inches, and a belt of heavy rainfall stretching north-eastwards for about 50 miles from near Royston into East Anglia. The storms extended also to the west country and there was a report of a very heavy downpour, with thunder, from an observer who happened to experience it on the summit of the Black Mountain in Carmarthenshire. Flooding was severe in many places, mainly urban, and in the London area especially the storm aroused great interest because of the very severe test which it provided of the efficacy of storm-water sewers. Among the effects of the floods was the disruption of the electric train service on the Bakerloo line because of the great depth of water covering the track in a cutting north of Willesden Junction. One train was held up in the flooded section for four hours during the night before the 400 passengers could all be taken off, and it was necessary to pump throughout the next day before normal service could be resumed in the early evening.

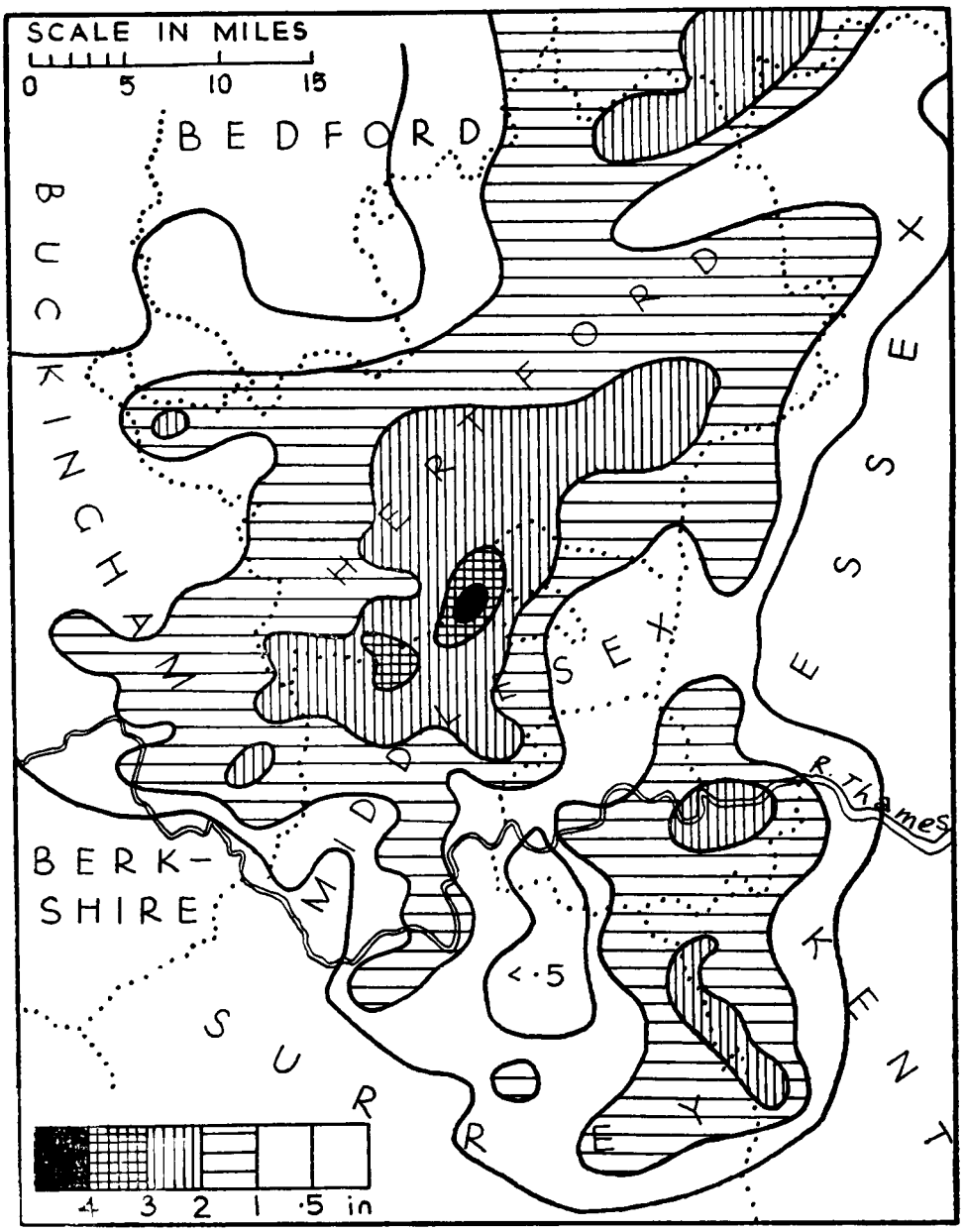
Whilst the belt of thunderstorms moved north on the 7th, affecting York and other places, the heaviest rain on this day was in north-west England and south-west Scotland under the influence of an Atlantic depression. The falls were spread over the major part of 24 hours, in contrast to the intense falls in the south on the 6th, but many towns in Lancashire experienced flooding. In conjunction with the data for the new Calder Water gauges in Renfrewshire, it is interesting to note that the run-off for the same 24-hour period measured at Muirshiels Mill amounted to 159 million gallons from a catchment area of less than 5 square miles. This alone, without taking account of any further run-off in the succeeding period, corresponds with a general rainfall of nearly $2\frac{1}{2}$ inches over the catchment. Other depressions followed, bringing heavy falls to western districts and Northern Ireland on the 9th and to North Wales on the 11th, and thunderstorms continued in many districts at the same time. There were in fact thunderstorms in some part of Britain on each of the days 1st to 19th. But the numerous reports of flooding and severe thunderstorms were all completely overshadowed by the news of events on the 15th.

**August 4**

| *Worcestershire* | *in.* | or % |
|---|---|---|
| Evesham (Bengeworth) | 1·86 | 7·7 |
| *Warwickshire* | | |
| Luddington | 1·87 | 7·9 |

**August 5**

| *Suffolk* | | |
|---|---|---|
| Cockfield | 2·00 | 7·7 |




**Rainfall in inches, August 6**

**August 6**

| | *in.* | or % |
|---|---|---|
| *Middlesex* | | |
| Wembley (Town Hall) | 2·67 | 9·6 |
| Harrow (Oakhurst) | 2·94 | 9·6 |
| Rayners Lane (High Worple) | 2·85 | 9·6 |
| Harrow (Welldon Crescent) | 2·84 | 9·5 |
| Northwood (Ravenswood) | 2·50 | 8·2 |
| Stanmore | 2·90 | 9·5 |
| *Hertfordshire* | | |
| Northwood (St. Mary's Avenue) | 3·12 | — |
| Bushey Heath (California Lane) | 2·69 | 9·1 |
| Bushey Heath Reservoir | 2·78 | 9·7 |
| Boreham Wood (Furzehill Road) | 4·83 | 14·7 |
| Garston (Building Research Stn.) | 2·33 | 8·2 |
| North Mimms (Pumping Station) | 2·73 | 9·1 |
| St. Albans (Hill End Hospital) | 2·65 | 9·5 |
| St. Albans (Oaklands) | 2·64 | 9·5 |
| Bayfordbury | 2·72 | 10·6 |
| *Buckinghamshire* | | |
| Gerrards Cross (Mill Lane) | 2·68 | 9·0 |
| *Suffolk* | | |
| Elveden Hall | 2·52 | 10·0 |
| Brandon (Waterworks) | 3·47 | 12·2 |
| *Somerset* | | |
| Milverton (Spring Grove House) | 2·59 | 5·8 |
| *Herefordshire* | | |
| Wellington (Yew Tree House) | 2·93 | 9·1 |

**August 7**

| | *in.* | or % |
|---|---|---|
| *Ayrshire* | | |
| Kilbirnie (Holehouse Filters) ..... | 2·65 | 4·0 |
| *Renfrewshire* | | |
| Calder Water (Muirshiels Mill) ..... | 3·10 | — |
| Calder Water (Barytes Mine) ..... | 2·92 | — |
| *Argyllshire* | | |
| Dunoon (Waterworks) ..... | 3·49 | 5·0 |
| Ardnadam (Ashuille)..... | 2·57 | 4·0 |

**August 9**

| | | |
|---|---|---|
| *Yorkshire* | | |
| Slaidburn (Hareden Valley) ..... | 3·95 | 5·6 |
| Slaidburn (Langden Brook) ..... | 4·15 | 5·8 |
| Slaidburn (Dunsop Houses)..... | 3·71 | 6·0 |
| Slaidburn (Footholme) ..... | 3·18 | 5·1 |
| Slaidburn (Brennand) ..... | 3·56 | 5·0 |
| Slaidburn (Croasdale House) ..... | 3·07 | 5·4 |
| Slaidburn (Whitendale)..... | 3·72 | 5·0 |
| *Isle of Man* | | |
| West Baldwin Reservoir ..... | 3·07 | 5·6 |

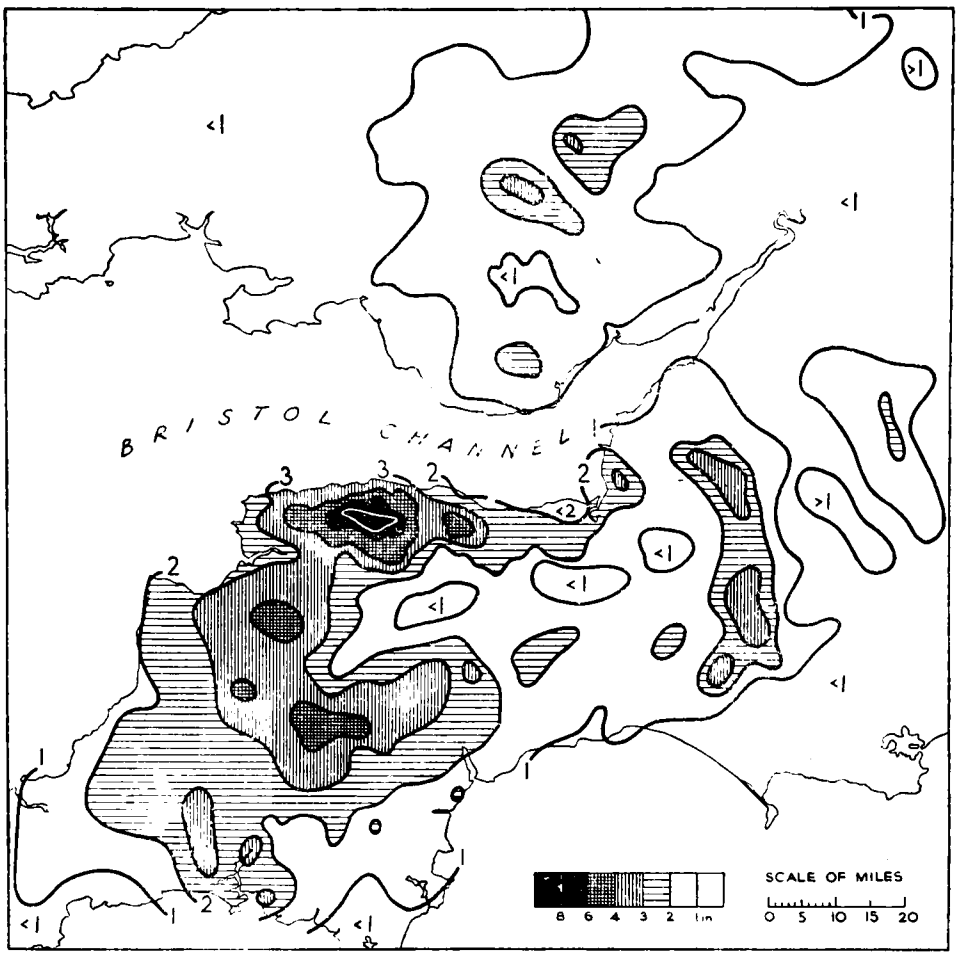
**August 9**

| | | |
|---|---|---|
| *Co. Antrim* | | |
| Dunmurry (Lagmore) ..... | 3·32 | 8·9 |
| Belfast (Oldpark Filters) ..... | 3·36 | 9·1 |
| Carrickfergus (Copeland) ..... | 3·60 | 10·4 |
| Carrickfergus (Lough Mourne) ..... | 3·70 | 9·6 |
| Ballycastle (Coolgreany) ..... | 3·87 | 9·1 |
| Leathemstown (Belfast Waterworks). | 3·20 | 8·3 |
| Glenwherry (Manse) ..... | 3·13 | — |

**August 11**

| | | |
|---|---|---|
| *Caernarvonshire* | | |
| Snowdon (Cwm Dyli) ..... | *2·96* | 2·4 |
| Snowdon (Cwm Dyli, Old Road) ... | *2·88* | 2·4 |
| Snowdon (Llydaw Intake)..... | *2·85* | 2·3 |

The flood disaster at Lynmouth, the storm over Exmoor from which it originated, and other effects of the storm, have been discussed in many reports and papers from different points of view. The meteorological data and the synoptic situation which gave rise to the storm were described in an article by A. Bleasdale and C. K. M. Douglas in the *Meteorological Magazine* for December, 1952. The account related chiefly to the Exmoor neighbourhood and included photographs of moorland erosion and other storm damage in the area which received the heaviest rainfall. The effects in this area were catastrophic; more than 30 people lost their lives, much of the town of Lynmouth was literally swept away, and a great deal of other damage was done to roads and bridges. As shown by the accompanying map, however, there was heavy rain over many other areas, including a number of falls which might have been in themselves outstanding. In South Wales, over Exmoor itself and over Dartmoor and the Mendips there is evidence that the rainfall was partly orographic. But the small depression which moved up the Channel to a position near Exmouth, and on the next day moved east-north-east to the Thames estuary and the North Sea, brought with it a mainly thundery type of weather, and the areas of heavy rainfall show great irregularities in their distribution. A fall of 4·45 inches was measured at Torrington on quite low ground and some other falls exceeding 3 inches were observed in localities where orography could not have played any part. The instability which developed was responsible for the great intensity of the rain. Although there was precipitation in many places before midday and throughout the afternoon, the major part of the rainfall-day total was concentrated within a period of about 7 hours extending from the late afternoon to nearly midnight. Dusk set in early because of the depth and density of the cloud-cover and the floods reached their peak in total darkness, a circumstance which, combined with the sudden effects of the surges sweeping down the steep valleys, added much to the fearful nature of the events. In terms of rainfall alone the storm was not the worst ever experienced. Though it has been estimated that the greatest amount on Exmoor may have been in the neighbourhood of 11 inches, the largest actual measurement was 9·00 inches at Longstone Barrow, made by Mr. C. H. Archer (of Wootton Courtenay). It is to be noted that for the storm as a whole, the combined areas over which the day's fall exceeded 4 inches amounted to no more than 250 square miles (about 140 square miles for the main area over Exmoor, and the




**Rainfall in inches, August 15**

remainder made up of four smaller areas). Falls of this magnitude were experienced over areas 3 to 4 times as great in the storms of August 26, 1912 (Norfolk and Suffolk), June 28, 1917 (mainly Somerset) and August 12, 1948 (Tweed valley and neighbourhood). But the nature of the terrain over which the Exmoor storm occurred produced the special features of the torrential floods and in its combined effects the storm is likely to remain on record for years to come in a class by itself.

In association with the activity of the same depression there were, on the 15th, isolated heavy falls near Reading and Lowestoft and on the same day a completely separate centre of thunderstorm activity over Aberdeenshire produced very heavy localised falls over Ballater on the Dee. During the remainder of the month thunderstorm activity tended to decline and on the last few days, after a relatively quiet period, it was an Atlantic depression which was responsible for heavy rain in north Scotland.

**August 15**

| | *in.* | or % |
|---|---|---|
| *Dorset* | | |
| Evershot (Melbury House) | 3·45 | 8·6 |
| Sherborne (Sewage Disposal Works) | 3·05 | 9·3 |
| Sherborne (Seafield Cottage) | 3·84 | 10·3 |
| Sherborne (Barton Gardens) | 3·00 | 8·7 |
| *Devonshire* | | |
| Plymouth (Mount Batten) | 3·03 | 7·8 |
| Roborough (Maristow Gardens) | 3·50 | 7·2 |
| Sourton (Prewley Treatment Works) | 3·61 | 5·9 |
| Chagford (Metherall) | 3·39 | 5·0 |
| Chagford (Thornworthy) | 3·16 | 4·9 |

| | *in.* | or % |
|---|---|---|
| Chagford (Teignworthy) | 3·28 | 5·6 |
| Chagford (Denshams) | 3·08 | 5·6 |
| Drewsteignton (Newton Barton) | 4·77 | 11·7 |
| Cheriton Bishop (Horslake) | 3·59 | 9·0 |
| Crediton (Okefield) | 3·05 | 8·5 |
| Bradninch (Bowley Close) | 3·18 | 8·2 |
| Longstone Barrow | 9·00 | 10·7 |
| Ilfracombe (Bowling Green) | 3·49 | 7·7 |
| Bow (Rosehill) | 3·40 | 8·2 |
| Chulmleigh (Ashreigney Rectory) | 3·64 | 8·1 |
| Chittlehampton (Stowford House) | 3·40 | 7·6 |
| Bishops Tawton (Codden Hill) | 3·18 | 7·5 |
| Swimbridge (The Old Cyder House) | 3·31 | 6·9 |
| Goodleigh (Chelfham Mill) | 3·44 | 6·1 |
| Challacombe | 7·58 | 9·8 |
| Okehampton (Waterworks) | 4·24 | 7·3 |
| Okehampton (Uplands) | 4·42 | 7·7 |
| Beaworthy (Shebbear College) | 4·06 | 7·7 |
| Torrington (Caynton House) | 4·45 | 9·8 |
| Parkham (Melbury Reservoir) | 3·25 | 5·9 |
| Bideford (Jennett's Reservoir) | 3·42 | 8·1 |
| Bideford (Gammaton Reservoir) | 3·20 | 7·5 |
| Kinsford Gate (Span Head) | 4·76 | 5·6 |
| *Cornwall* | | |
| Newton Ferrers | 3·85 | 7·2 |
| *Somerset* | | |
| Binnegar (Gurneyslade) | 3·46 | 6·8 |
| Chewton Mendip (The Priory) | 3·15 | 6·5 |
| Shepton Mallet (Charlton) | 3·10 | 6·7 |
| Shepton Mallet (Field House) | 3·43 | 7·2 |
| Shepton Mallet (Sewage Farm) | 3·10 | 7·2 |
| Rimpton (Pound House) | 3·67 | 10·5 |
| North Cadbury | 3·42 | 8·2 |
| Goosemoor (West Dunkery) | 3·79 | 5·2 |
| Dunkery Beacon | 3·86 | 5·4 |
| Wootton Courtenay (Ford Cottage) | 4·08 | 7·6 |
| Porlock (Hacketty Way) | 3·00 | 6·5 |
| Culbone (Lillycombe) | 4·50 | — |
| Kinsford Gate (Quarry) | 4·80 | 5·7 |
| Exford (Lower Thorne) | 4·96 | 7·3 |
| Simonsbath (Honeymead) | 7·35 | 9·9 |
| *Brecknockshire* | | |
| Talybont (Ffynonwen) | 3·00 | 4·9 |
| *Aberdeenshire* | | |
| Ballater (Birkhall Sawmill) | 4·10 | 12·5 |
| Ballater (Irrigation Farm) | 3·20 | 9·2 |

**August 18**

| | | |
|---|---|---|
| *Kent* | | |
| Brookland (Poplar Hall) | 2·72 | 9·4 |
| Stone in Oxney (Huggett's Farm) | 2·53 | 8·0 |
| *Sussex* | | |
| Hastings (White Rock) | 2·47 | 8·3 |
| *Hampshire* | | |
| Freshwater (Waterworks) | 2·98 | 8·1 |
| Freshwater (Pumping Station) | 2·67 | 7·7 |
| Freshwater (West Wight School) | 2·71 | 8·0 |

**August 31**

| | | |
|---|---|---|
| *Ross and Cromarty* | | |
| Glenshiel (Kyle) | *3·83* | 2·9 |

In *September* the thundery activity of the summer continued its decline and from then until the end of the year the distribution of heavy daily falls was associated mainly with the occurrence of Atlantic depressions. It was only in September that Scotland had a relatively large number of such falls, but Wales and the high land in England were at least equally affected at all other times of the year.

Heavy rains of a thundery type in the period 7th-9th were associated with a shallow depression moving eastwards along the Channel and fell mainly in southern districts. Urban flooding occurred in many places, including Cardiff, Salisbury, Bournemouth and Deal. Over Exmoor amounts between 2½ and 3 inches fell within 24 hours from the evening of the 8th to the evening of the 9th. Challacombe had 2·56 inches, Simonsbath (Honeymead) 2·69 inches, and Longstone Barrow approximately 2·75 inches. The behaviour of the river at Lynmouth was carefully watched but a danger-point was not reached. It seems likely that the general rainfall over the Lyn catchments approached half that which fell on August 15 though on this occasion it was more evenly distributed in space and was not concentrated to any great degree within a few hours. Although there were a few more thundery outbreaks the remaining heavy falls of the month were due to the passage of Atlantic depressions. Flooding occurred on the 24th-25th in west Scotland and on the 29th in Yorkshire, where roads were covered by the overflowing of the Wharfe near Ilkley and of the Esk some miles inland from Whitby.

**September 7**

| *Kent* | *in.* | or % |
|---|---|---|
| Deal & Walmer Waterworks | 2·49 | 8·1 |
| *Pembrokeshire* | | |
| Maenclochog (Ddolwen Bridge) | 2·54 | 3·7 |

**September 9**

| *Dorset* | | |
|---|---|---|
| Beaminster (East Street) | 3·09 | 7·3 |
| Blandford (King's Road) | 2·40 | 7·9 |

**September 23**

| *Argyllshire* | | |
|---|---|---|
| Ardgour (Inversanda) | *2·75* | 2·9 |
| Ardgour House | *2·66* | 3·0 |
| Conaglen | 2·54 | 2·9 |
| Loch Awe (Inverinan) | *2·55* | 3·4 |
| Kilmelfort, Tralaig (Innie) | 2·69 | 3·6 |
| *Inverness-shire* | | |
| Loch Quoich (Kinlochquoich) | 3·95 | 3·1 |
| Loch Hourn (Kinlochourn) | *2·56* | 2·4 |
| Glen Loy (Erracht) | 3·98 | 5·7 |
| *Ross and Cromarty* | | |
| Glenshiel (Kyle) | *3·74* | 2·8 |
| Loch Duich (Ratagan) | 3·07 | 4·0 |

**September 24**

| *Argyllshire* | | |
|---|---|---|
| Ardgour (Inversanda) | 3·03 | 3·2 |
| Ardgour House | 2·90 | 3·3 |
| Conaglen | *2·53* | 2·9 |
| Glenleven (Black Water Dam S.) | 2·87 | 3·6 |
| *Inverness-shire* | | |
| Loch Quoich (Kinlochquoich) | *3·60* | 2·9 |
| Loch Quoich (Glenquoich) | 3·67 | 3·4 |
| Loch Hourn (Kinlochourn) | 3·80 | 3·5 |
| Loch Treig (Fersit) | 3·01 | 4·5 |
| *Ross and Cromarty* | | |
| Glenshiel (Kyle) | 4·21 | 3·1 |
| Loch Duich (Ratagan) | *2·52* | 3·3 |

**September 25**

| *Westmorland* | | |
|---|---|---|
| Great Langdale (Long House) | 3·33 | 3·8 |
| *Inverness-shire* | | |
| Loch Quoich (Kinlochquoich) | *3·65* | 2·9 |
| *Ross and Cromarty* | | |
| Glenshiel (Kyle) | *3·08* | 2·3 |

**September 28**

| *Yorkshire* | *in.* | or % |
|---|---|---|
| Slaidburn (Brennand) | *2·95* | 4·2 |
| Masham Moor (Roundhill Res.) | 2·56 | 8·3 |
| Leyburn (Spennithorne) | 1·98 | 8·5 |
| Leyburn (Overdale) | 1·92 | 8·6 |
| Tunstall (Craggs Lane Farm) | 1·74 | 8·7 |
| Guisborough (Waterworks) | 2·25 | 7·5 |
| *Durham* | | |
| Stockton on Tees (Billingham) | 1·77 | 7·6 |

The heavy falls in the first half of *October* call for little comment. There was some flooding in the Midlands as a result of the storms of the 13th which were associated with a depression crossing southern England. On this occasion the gales which accompanied the rain caused most of the widespread damage. Towards the end of the month a spell of very unsettled weather set in and a series of depressions brought heavy falls to western mountain districts. In several districts, almost entirely in the western half of Britain, there was moderate though short-lived flooding of roads at various times, but again the gales which accompanied the rain caused a great deal more damage, especially on the 28th.

**October 1**

| *Caernarvonshire* | *in.* | or % |
|---|---|---|
| Snowdon (Cwm Dyli) | *2·58* | 2·1 |

**October 13**

| *Derbyshire* | | |
|---|---|---|
| Bamford (Engineer's Office) | 2·73 | 6·9 |
| Bamford Filters | 2·98 | 7·9 |
| Bamford (Yorkshire Bridge Weir) | 2·85 | 6·9 |
| Fairholmes (Nursery) | 2·81 | 5·4 |
| Derwent Dale (Howden Dam) | 2·81 | 5·5 |
| *Yorkshire* | | |
| Midhope Moor (Barnside) | 2·66 | 6·0 |
| Wombwell (Broomhill Waterworks) | 1·30 | 7·5 |
| Darfield (Sewage Works) | 1·50 | 8·2 |

**October 25**

| *Argyllshire* | | |
|---|---|---|
| Glenleven (Kinlochleven) | 2·78 | 3·8 |
| *Ross and Cromarty* | | |
| Glenshiel (Kyle) | *2·61* | 1·9 |

**October 27**

| *Cumberland* | | |
|---|---|---|
| Thirlmere (The Nook) | *2·61* | 3·1 |
| Ulpha | 2·59 | 3·6 |
| *Westmorland* | | |
| Great Langdale (Long House) | *2·62* | 3·0 |
| Grasmere (Meadow Brow) | 3·05 | 3·9 |

**October 27**

| *Glamorgan* | *in.* | or % |
|---|---|---|
| Rhondda (Castell Nos Reservoir) ... | 2·63 | 3·5 |
| Rhondda (Lluest Wen Filters) ..... | 2·77 | 3·6 |
| Rhondda (Lluest Wen Reservoir) ... | 2·61 | 3·3 |
| *Carmarthenshire* | | |
| Llyn-y-fan Fach (Troed-y-Foel)..... | 2·53 | 3·4 |

**October 28**

| *Inverness-shire* | | |
|---|---|---|
| Loch Quoich (Glenquoich)..... | *3·48* | 3·2 |
| Loch Hourn (Kinlochourn) ..... | *3·33* | 3·1 |

In the first week of *November* very unsettled weather continued and the heavy rain was once more accompanied by gales. A number of depressions moved from west to east across Britain or to the north of Scotland and the heaviest falls were again in the west. There was not much serious flooding. The river Dovey submerged the bridge and its approaches near Machynlleth both on the 2nd and on the 4th, and other rivers in mid-Wales were in full spate by the 4th. There was also some flooding in western and northern districts of Scotland. For the rest of the month there were no more heavy daily falls though there was enough rain to cause floods in various districts in the southern half of England, particularly during the period 27th-29th. There was also considerable snowfall after the middle of the month with heavy drifts in some hill districts including the Chilterns and South Wales.

**November 3**

| *Inverness-shire* | *in.* | or % |
|---|---|---|
| Loch Quoich (Kinlochquoich)..... | *2·90* | 2·3 |
| Loch Quoich (Glenquoich)..... | *2·91* | 2·7 |
| Loch Hourn (Kinlochourn) ..... | *2·65* | 2·5 |
| *Ross and Cromarty* | | |
| Glenshiel (Kyle) ..... | *3·29* | 2·5 |
| *Sutherland* | | |
| Loch Shin (Corrykinloch)..... | 2·72 | 3·2 |

**November 4**

| *Cumberland* | *in.* | or % |
|---|---|---|
| Thirlmere (The Nook)..... | 2·65 | 3·1 |
| Borrowdale (The Moraine)..... | 3·63 | 4·4 |
| Watendlath Farm..... | 2·72 | 3·8 |
| Thirlmere (Dale Head Hall)..... | 2·52 | 3·3 |
| *Westmorland* | | |
| Grasmere (Meadow Brow)..... | *2·63* | 3·4 |
| *Merionethshire* | | |
| Blaenau Festiniog (Oakeley Qu.).... | *3·04* | 3·3 |

**November 4**

| *Caernarvonshire* | | |
|---|---|---|
| Snowdon (Cwm Dyli) ..... | *3·16* | 2·5 |
| Snowdon (Cwm Dyli, Old Road) ... | *2·96* | 2·5 |
| Snowdon (Llydaw Intake)..... | 3·14 | 2·5 |

*December* was not remarkable for heavy daily falls. There were a few on the 8th and 16th only in the wet districts of the west. Moderate flooding was reported from Bedfordshire and Worcestershire during a period of generally unsettled weather in the second half of the month, but considering the country as a whole adverse conditions of this type were of negligible proportions.

**December 8**

| *Caernarvonshire* | *in.* | or % |
|---|---|---|
| Beddgelert (Hafod Ruffydd)..... | 3·17 | 3·8 |
| *Buteshire* | | |
| Rothesay (Dhu Loch Waterworks).. | 2·53 | 5·1 |
| Rothesay (Ardencraig) ..... | 2·51 | 5·1 |

**December 16**

| *Westmorland* | | |
|---|---|---|
| Great Langdale (Long House)..... | *2·82* | 3·2 |
| *Argyllshire* | | |
| Morvern (Kingairloch) ..... | 2·50 | 2·9 |
| Loch Awe (Inverinan)..... | 2·66 | 3·6 |

# 8 Monthly Rainfall in 1952

Information as to the rainfall of the months of 1952 over Great Britain and Northern Ireland is set out in this section in various forms:

(1) Table 8A gives general values of the monthly and annual rainfall over the constituent areas separately.

(2) Details are given of some of the largest and smallest monthly totals of rainfall reported during 1952.

(3) In Table 8C the monthly and annual totals of rainfall are set out for 334 stations, distributed as evenly as possible over the country.

(4) Table 8D gives the monthly and annual falls expressed as percentages of the averages for 1881 to 1915. It is confined to 123 stations for which averages are available. The monthly totals, in inches, for stations in 8D are given in Table 8C. At the end of Table 8D general monthly percentage values are given for England, Wales, England and Wales, Scotland and Northern Ireland.

**Table 8A General Rainfall for 1952, computed from the average, 1881-1915, by applying the general percentage values given in Tables 8D and 10B to the General Average Values.**

| Months | England | Wales | Isle of Man | England and Wales | Scotland | Northern Ireland |
|---|---|---|---|---|---|---|
| | in. | in. | in. | in. | in. | in. |
| January .. .. .. | 3·0 | 5·9 | 3·8 | 3·4 | 5·5 | 4·9 |
| February .. .. .. | ·9 | 1·9 | 1·0 | 1·1 | 2·3 | 1·3 |
| March .. .. .. .. | 3·0 | 3·2 | 2·9 | 3·1 | 3·8 | 1·9 |
| April .. .. .. .. | 2·1 | 3·4 | 1·5 | 2·3 | 2·3 | 1·6 |
| May .. .. .. .. | 2·4 | 4·0 | 3·1 | 2·6 | 2·7 | 1·7 |
| June .. .. .. .. | 1·9 | 3·4 | 2·7 | 2·1 | 3·7 | 2·8 |
| July .. .. .. .. | 1·2 | 2·1 | 1·5 | 1·3 | 3·0 | 1·9 |
| August .. .. .. .. | 3·9 | 5·6 | 5·4 | 4·1 | 5·1 | 5·2 |
| September .. .. .. | 3·6 | 4·1 | 4·2 | 3·8 | 3·9 | 2·2 |
| October .. .. .. .. | 3·8 | 6·3 | 5·0 | 4·1 | 5·2 | 4·8 |
| November .. .. .. | 3·9 | 4·5 | 3·6 | 4·0 | 4·1 | 3·2 |
| December .. .. .. | 3·3 | 5·0 | 5·6 | 3·6 | 5·5 | 4·5 |
| Year .. .. .. | 33·0 | 49·4 | 40·2 | 35·5 | 47·1 | 36·0 |

**Table 8B General Monthly and Annual Averages of Rainfall 1881-1915**

| Months | England | Wales | Isle of Man | England and Wales | Scotland | Northern Ireland |
|---|---|---|---|---|---|---|
| | in. | in. | in. | in. | in. | in. |
| January .. .. .. | 2·69 | 4·72 | 3·40 | 2·99 | 4·90 | 3·33 |
| February .. .. .. | 2·34 | 3·94 | 3·25 | 2·57 | 4·18 | 2·98 |
| March .. .. .. .. | 2·47 | 3·82 | 3·03 | 2·67 | 4·05 | 3·05 |
| April .. .. .. .. | 1·98 | 2·96 | 2·47 | 2·12 | 2·99 | 2·58 |
| May .. .. .. .. | 2·19 | 2·95 | 2·82 | 2·30 | 3·01 | 2·70 |
| June .. .. .. .. | 2·33 | 3·05 | 2·54 | 2·44 | 2·83 | 2·86 |
| July .. .. .. .. | 2·75 | 3·60 | 3·22 | 2·87 | 3·78 | 3·41 |
| August .. .. .. .. | 3·11 | 4·71 | 4·01 | 3·35 | 4·51 | 4·16 |
| September .. .. .. | 2·37 | 3·51 | 3·22 | 2·54 | 4·00 | 3·01 |
| October .. .. .. .. | 3·69 | 5·63 | 4·64 | 3·97 | 4·90 | 3·61 |
| November .. .. .. | 3·19 | 5·25 | 4·73 | 3·49 | 5·29 | 3·81 |
| December .. .. .. | 3·56 | 6·00 | 4·97 | 3·92 | 5·88 | 4·16 |
| Year .. .. .. | 32·67 | 50·14 | 42·30 | 35·23 | 50·32 | 39·66 |

(5) A set of twelve maps showing cartographically the distribution of the percentage monthly values given in Table 8D is reproduced in this article. The corresponding percentage map for the whole year appears as a frontispiece to the volume.

A set of twelve maps showing the distribution of the actual rainfall in each month has been prepared on the scale of 16 miles to the inch, based on the values from some 2,000 stations. Owing to the necessity for economy in printing, these maps have not been reproduced in this Section.

In Table 8B the average values, taken from the Book of Normals, Table 21A (M.O.236, Section V), are given for comparison with the values for 1952 given in Table 8A. The values for Northern Ireland have been evaluated more recently in the same manner as was adopted previously for the other areas.

*General Monthly Rainfall*

The general monthly values shown in Table 8A have been computed by applying the percentage values given at the end of Table 8D to the average general values for the period 1881–1915. These computed values in inches have been subsequently slightly adjusted in order that the totals for the year should agree with the totals given in Table 10A, which are based on a more exact determination as explained in the text accompanying that table.

The wettest months of the year were August and October over England and Wales, January and December over Scotland, and January, August and October over Northern Ireland. The driest months were February and July over England and Wales, February and April over Scotland and Northern Ireland. There was more rain during the five months August to December than during the

first seven months of the year, in each of the areas quoted in Table 8A.

Over England and Wales February was the driest February since that of 1934, and over both England and Wales and Northern Ireland July the driest July since that of 1935. Over England and Wales July was the fourth consecutive dry July. Over both Scotland and Northern Ireland March was the fifth consecutive dry March, and May the fifth consecutive dry May. Over Scotland August was the fifth consecutive wet August.

## *Extremes of Monthly Rainfall at Individual Stations*

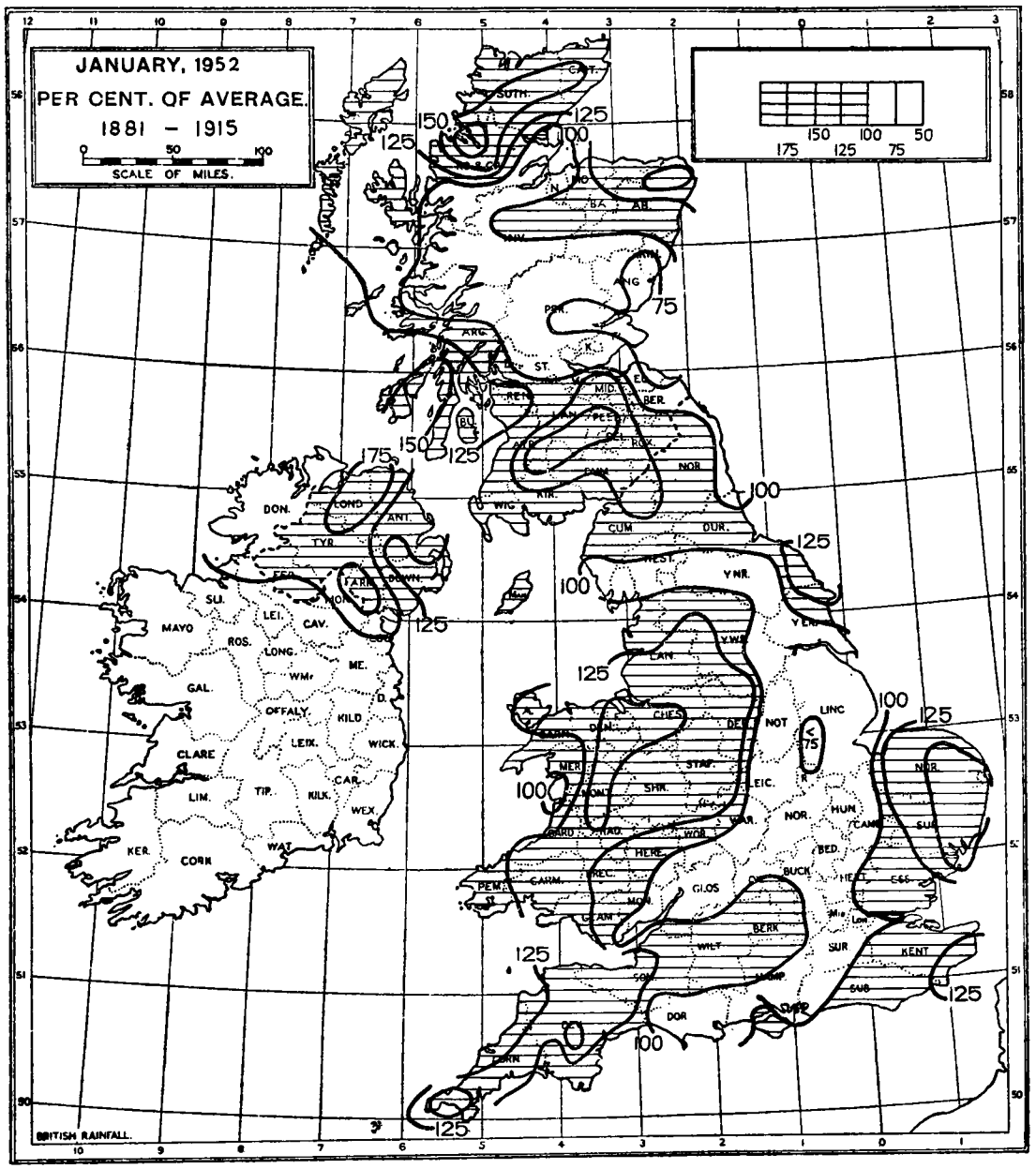
(a) *Monthly Totals:*—The largest monthly total reported in England was 21·00 inches at Borrowdale (Stockley Bridge) in August, although more rain probably fell on the surrounding mountains in the English Lake District. In Wales the station at Snowdon (Delta) reported 19·30 inches in January. The largest total for Scotland was 17·13 inches for October at Glenshiel (Kyle) and this together with the value of 16·45 inches for September gave a total of 33·58 inches for the two months together. In Northern Ireland 12·75 inches was measured for October at Slieve Lamagan in the Mourne mountains.

Less than ·20 inch occurred at a number of stations in July in Lincolnshire, Rutland and Northamptonshire, Oxfordshire, Warwickshire, Gloucestershire and Hampshire. The smallest total for England was ·13 inch for July at Thorney (Nutsgrove Farm), near Peterborough, and also at Studley College in south Warwickshire. The smallest totals for Wales, Scotland and Northern Ireland were in February. Hanmer (Gredington) in Flintshire had ·44 inch. There was only ·47 inch at Bodfari (Nantlys), also in Flintshire, for March, and only 1·33 inches at this station for February and March together. In Scotland there was only ·25 inch at Forfar (Pitscandly House), and in Northern Ireland ·26 inch at Downpatrick (Down High School), for February.

(b) *Monthly percentage values:*—Areas with more than 250 per cent of average appear on the maps for three months, May, August and September, but no month gave as much as three times the average. The total for August at Longstone Barrow was 16·72 inches, including the 9·00 inches for August 15. This total is considered to be about 280 per cent of the August average for that station. Three months showed areas with less than 25 per cent of average, February, April and July, the map for July showing areas with less than 10 per cent. The largest percentage values in Table 8D are 298 at Scarborough and 281 at Middlesbrough (Albert Park) in September, the smallest values being 7 per cent at Cirencester and 12 per cent at Oxford in July.

## *The Rainfall and Weather of the Individual Months*

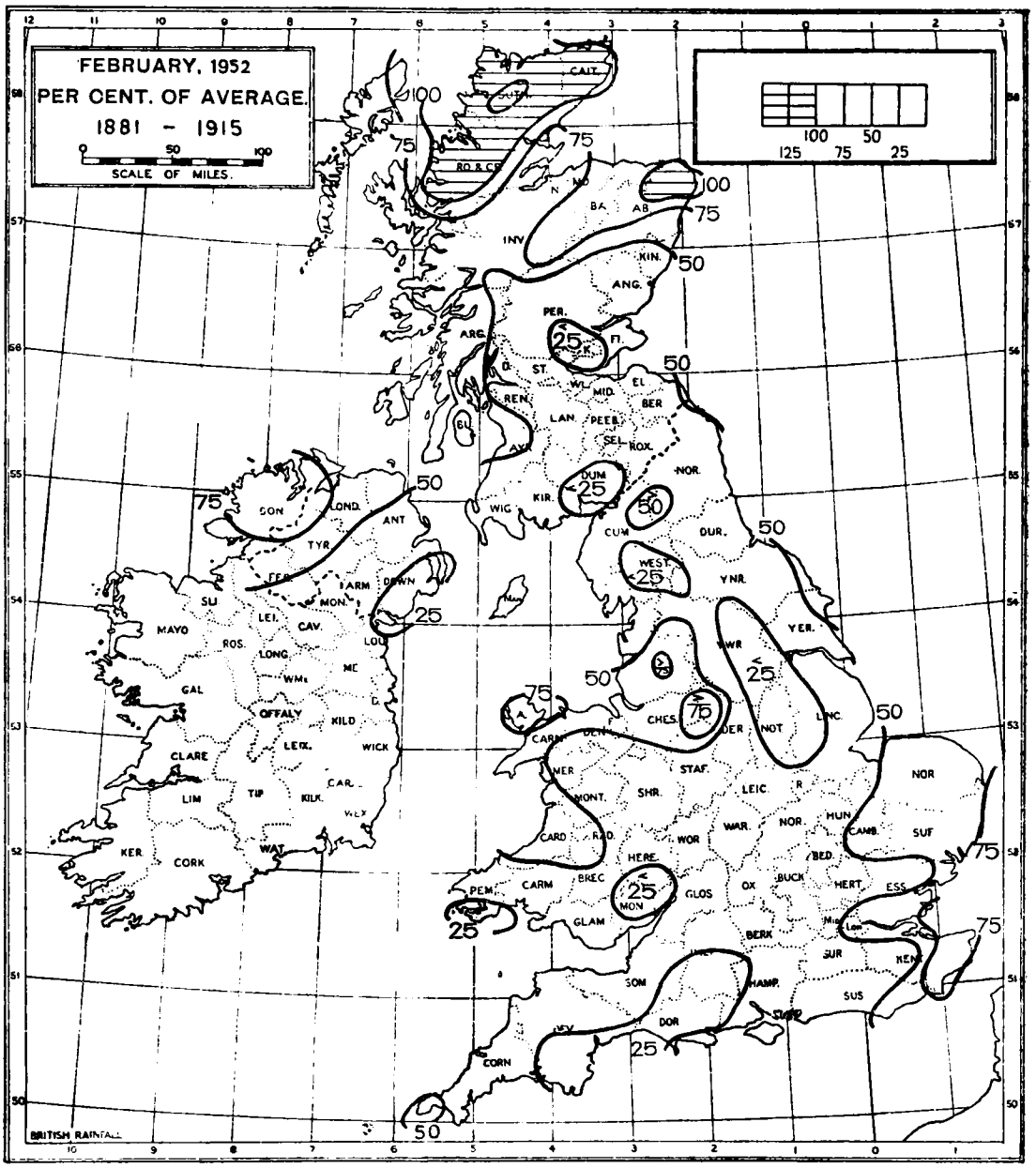
In the following pages maps are given showing the distribution of the rainfall each month expressed as percentages of average, together with a short account of the weather. Further details are given in the *Monthly Weather Report*, which also includes maps of the distribution of rainfall amounts and of mean pressure and the movements of the centres of the main depressions.




**Rainfall, January 1952, as per cent of average**

**January.** Mean pressure was below average, with the greatest deficiencies in the east. Winds were mainly between south-west and north, with frequent gales at exposed stations. A gale of hurricane force caused severe damage in Orkney on the 15th. The month was cold but sunny, with frequent snow on the high ground in the west and north. Over Scotland the month ranks as the coldest January since the very cold January of 1945. The sunshine over England and Wales, and Scotland, exceeded that of any January since 1906.

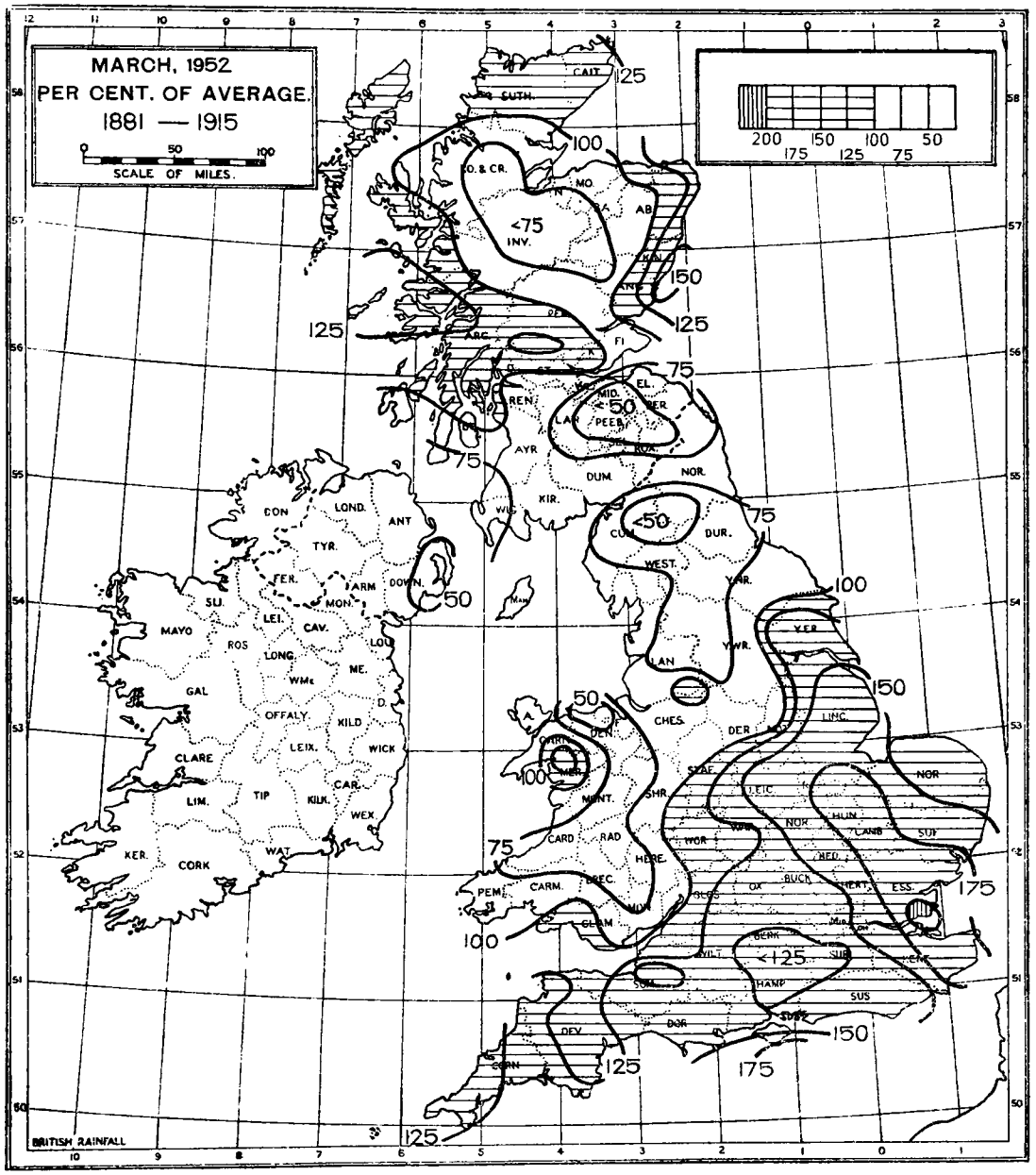
Rainfall was below the average mainly over central regions of Great Britain, but exceeded 150 per cent of average locally in both the east and the west and also over most of Northern Ireland. Most of east and central England and east Scotland had less than 3 inches of rain, totals increasing to more than 10 inches over the mountainous regions in the west of Great Britain.




**Rainfall, February 1952, as per cent of average**

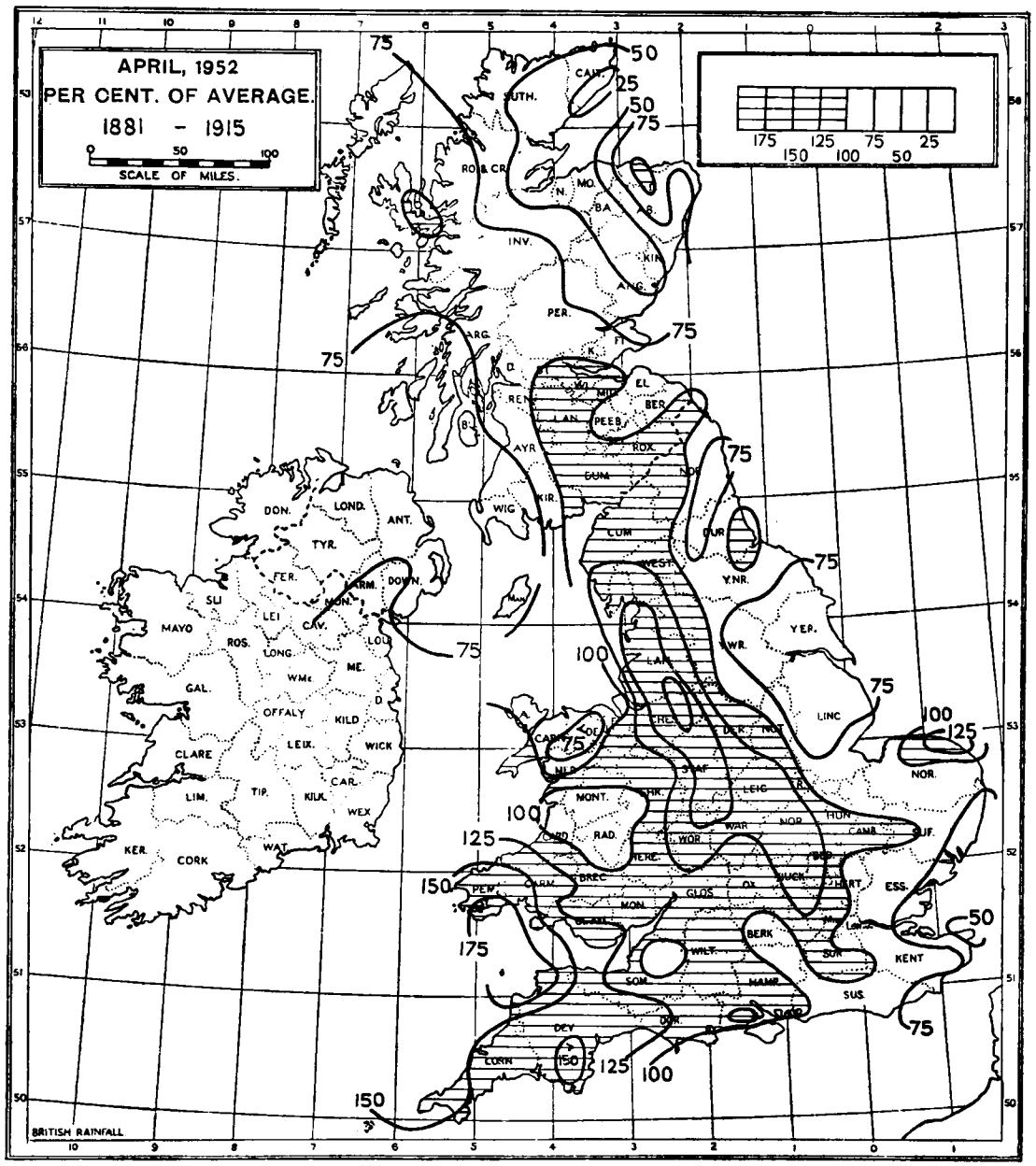
**February** was dry and relatively sunny for the time of year. Mean pressure exceeded the average, but the pressure gradient was from north-east to south-west instead of the normal distribution from north-west to south-east and winds were mainly between south-west and north, through west. The cold weather of January continued until the 16th but the latter part of the month was mild.

Rainfall was much below average except in the north of Scotland. Most of England and Wales and about half Scotland and Northern Ireland had less than 40 per cent and considerable areas had less than 20 per cent. Totals for the month over south-east Scotland and much of England failed to reach an inch, with less than half an inch to the east of the Pennines from Darlington to Peterborough. More than 7 inches occurred locally only in west and north-west Scotland.




**Rainfall, March 1952, as per cent of average**

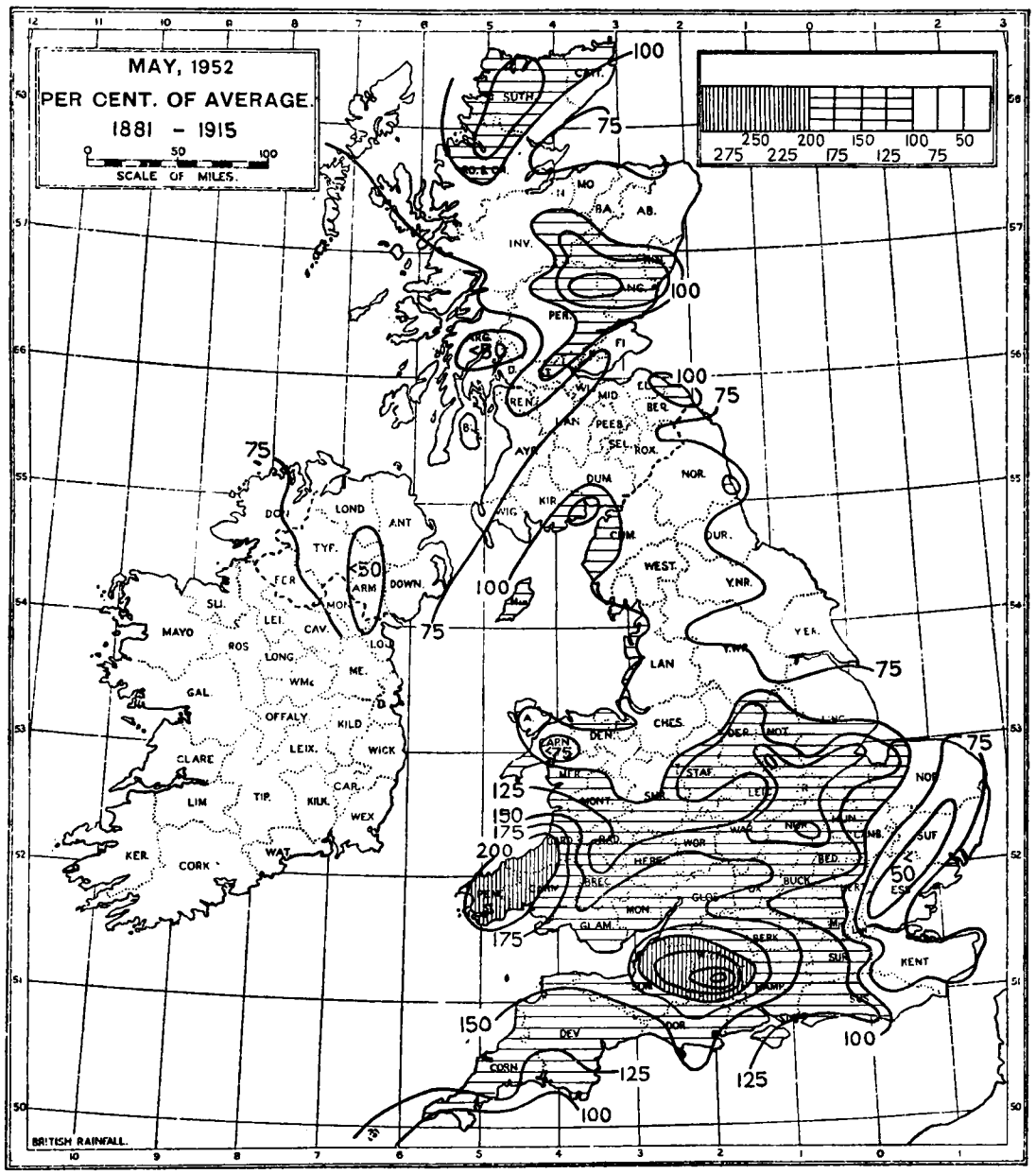
**March.** Mean pressure increased from the west to the east and winds from some southerly point predominated. The weather was generally mild until the 25th, but by the 27th cold north-east winds and snow prevailed, culminating in a severe snowstorm and deep drifting in southern and midland districts of England on the 29th. Mean temperature for the month exceeded the average, although at some places the 29th was the coldest day on record for late March. Rainfall exceeded 175 per cent in south-east England from south Lincolnshire to east Kent and in the Isle of Wight, but large areas had less than 60 per cent in central Wales, the Pennines, to the south of Edinburgh and on either side of the Caledonian Canal. In inches the rainfall varied from half an inch in Flintshire to more than 10 inches on the mountains north of Loch Lomond.




**Rainfall, April 1952, as per cent of average**

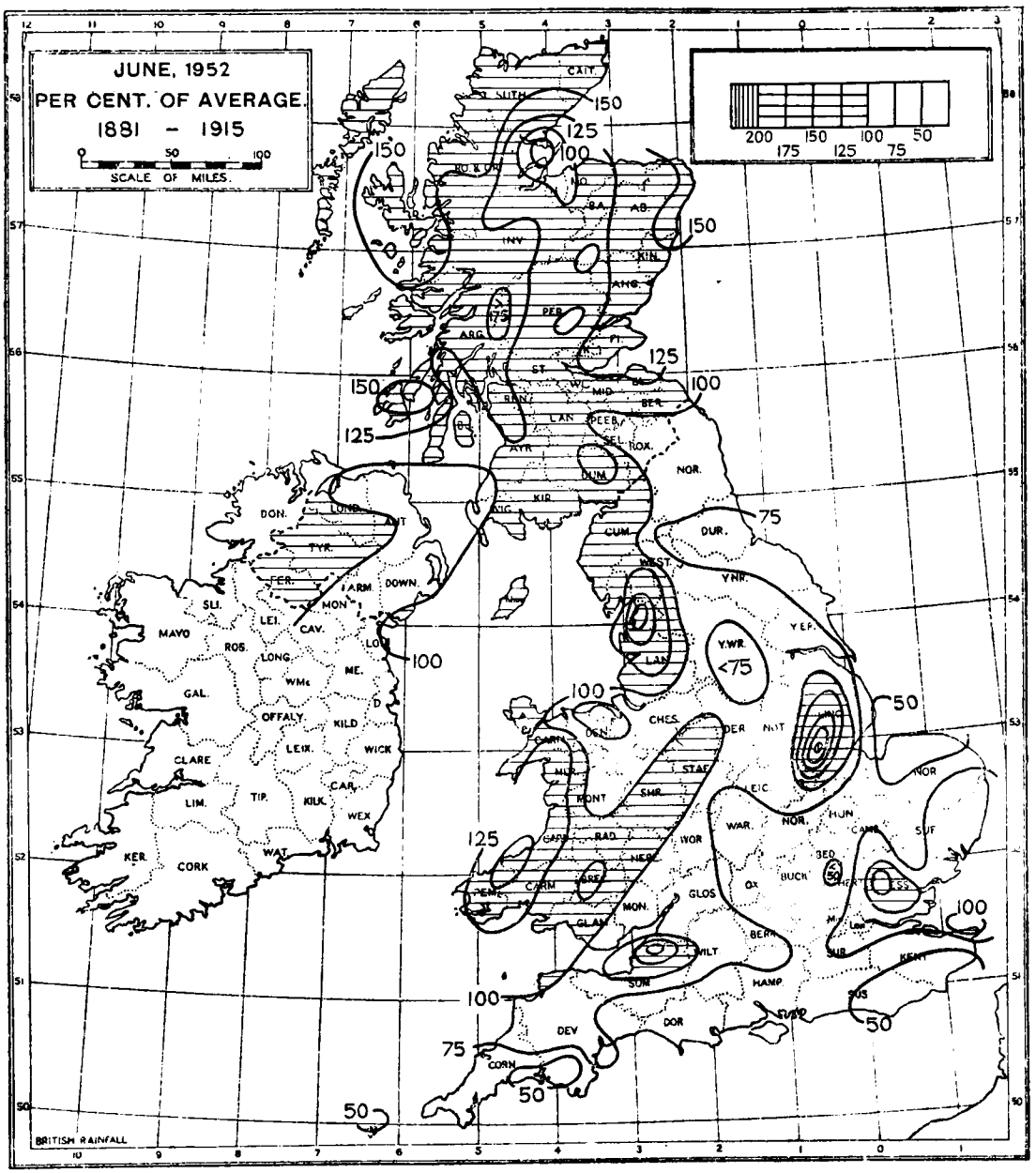
**April.** Mean pressure for the month somewhat exceeded the average in most districts and the month was less windy than usual. Apart from the first few cold days, the weather was rather warm and sunny with local thunderstorms.

Rainfall exceeded the average mainly over central and western England, South Wales and southern Scotland, while much of north-east Scotland had less than 50 per cent. The extreme range was from 192 at Ilfracombe and 188 at Manchester to 25 per cent of average at Wick. There was less than 2 inches over most of the eastern half of Great Britain and more than 4 inches in the highest regions in the west, with falls exceeding 8 inches in Snowdonia, the Lake District and the Southern Uplands of Scotland. Most of Northern Ireland had less than 2 inches (and less than 60 per cent of average).



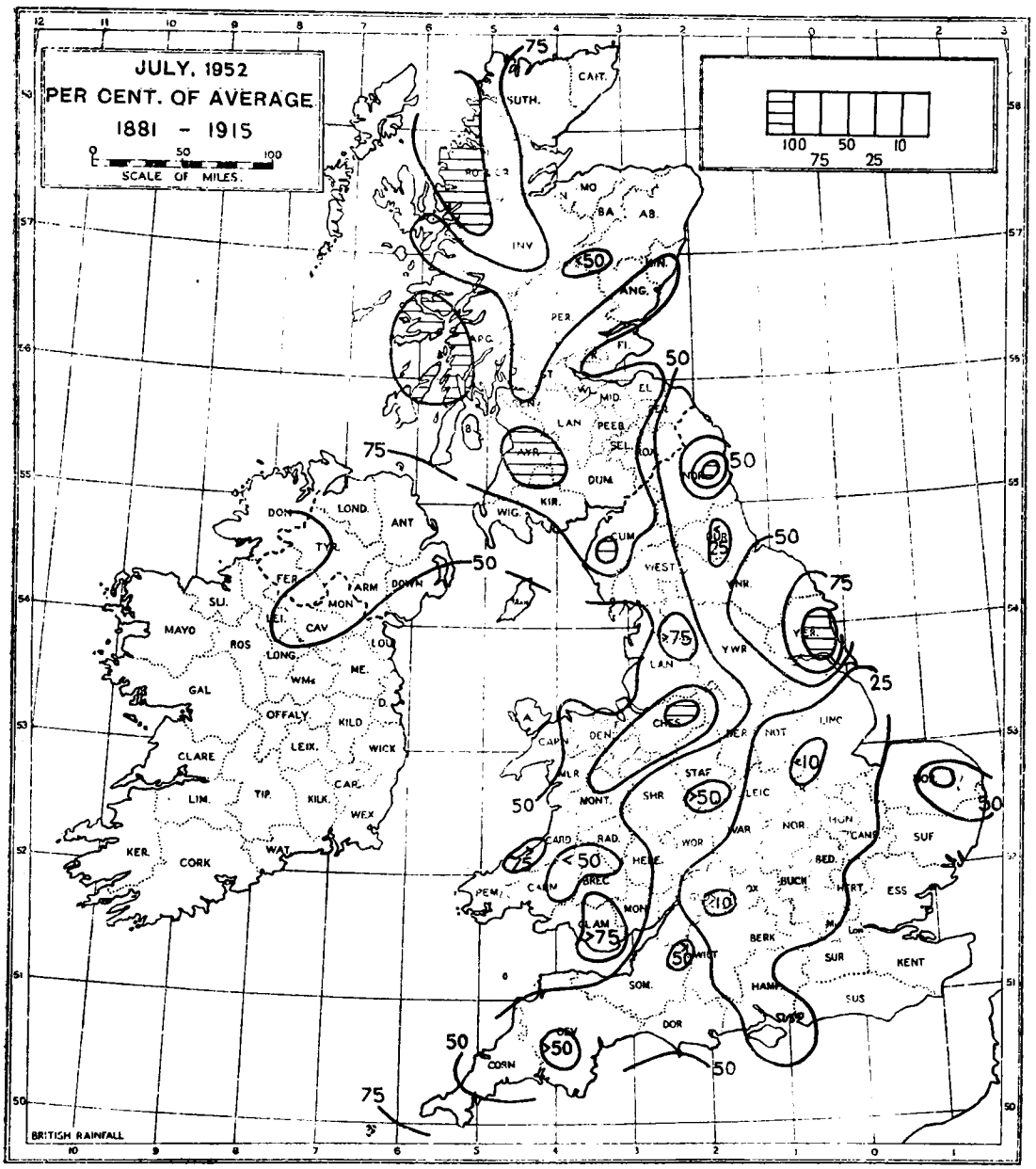

**Rainfall, May 1952, as per cent of average**

**May.** Mean pressure for the month was more uniform than usual and the total run of the wind below average. The first 11 days were warm with frequent thundery rain; from the 12th to 27th the weather was warm, sunny and dry, except for violent thunderstorms on the 19th. The last few days were cooler and wet. There was less than average rainfall over much of the northern half of Great Britain and also in the south-east of England, with less than 50 per cent over parts of Suffolk and Essex, to the north of Glasgow and in Co. Armagh, but values exceeded 200 per cent in south-west Wales and from the Bristol Channel to Salisbury Plain. The total for the month exceeded 4 inches from Cardigan to Salisbury Plain. Over Scotland and Northern Ireland May was the fourth consecutive month with less than the average rainfall.




**Rainfall, June 1952, as per cent of average**

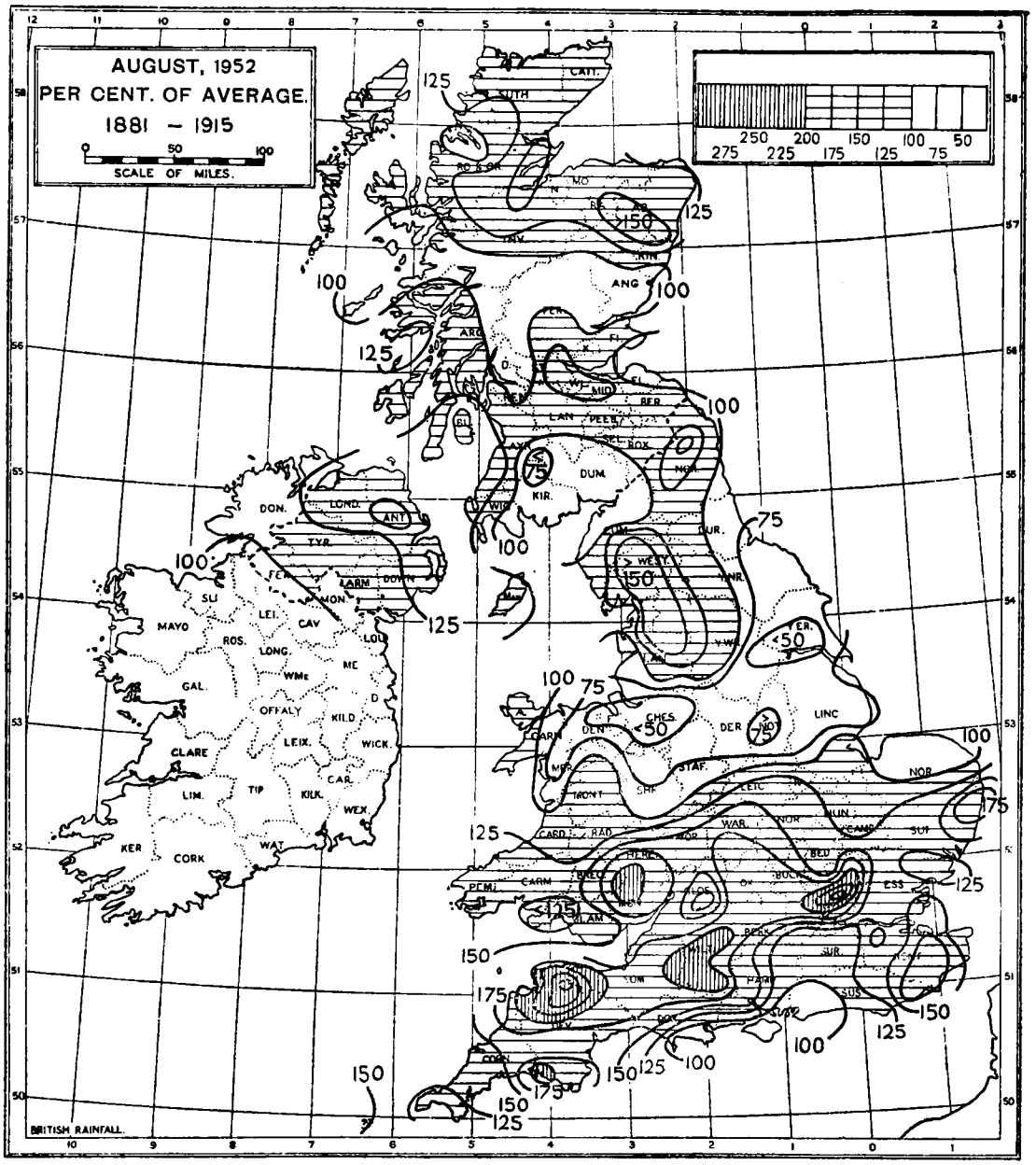
**June.** Mean pressure was below average in the northern half of the country and slightly above average in the south, so that the pressure gradient was increased and winds were mainly from a westerly direction. The weather was on the whole sunny, dry and rather warm in the south and east, but in the north and west it was dull and wet. Thunderstorms were widespread over the Midlands and south of England on the 13th. Rainfall exceeded the average mainly in the west and north of Great Britain, with more than 150 per cent in the north-west and north-east of Scotland, the English Lake District and also in Lincolnshire and near Bristol. Totals failed to reach 50 per cent in coastal districts in the south-east and south, mainly parts of Kent and Sussex. The rainfall in inches varied from ·7 inch around Dungeness to over 10 inches on Snowdon and in the English Lake District.




**Rainfall, July 1952, as per cent of average**

**July.** Mean pressure exceeded the average everywhere and westerly rather than south-westerly winds predominated. The month was generally dry and rather warm. Severe and widespread thunderstorms in the Midlands and north of England, on the night of the 1st-2nd, followed a very hot day with temperatures of 90°F. in the south-east. Further storms occurred this month but apart from these thunder-showers the rainfall was light, droughts being recorded in the southern half of England by the end of the month (see Section 3).

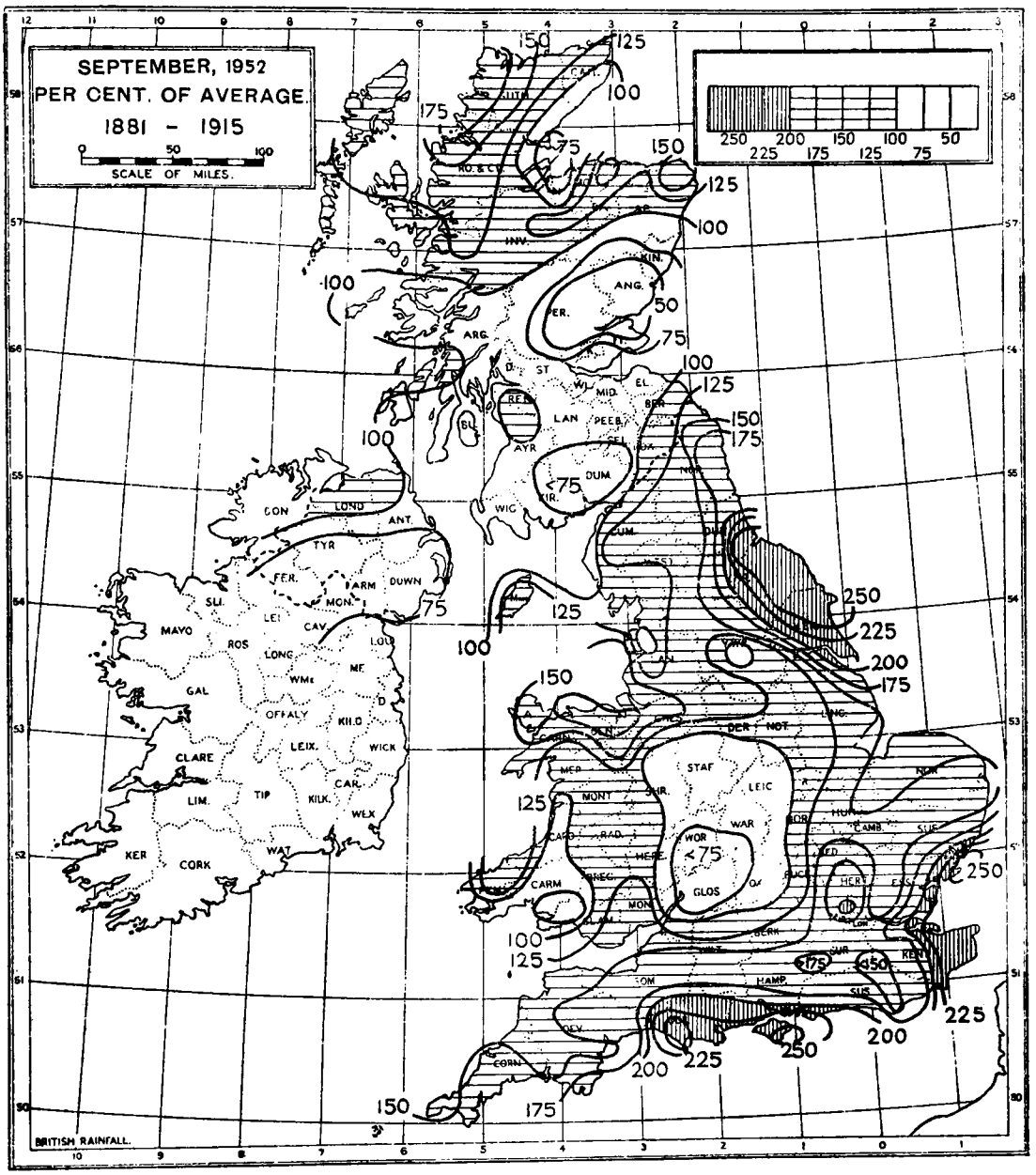
Most of the eastern half of England and Wales had less than 50 per cent of average and there was less than 20 per cent across England from the Isle of Wight to the Wash, with totals of less than ·5 inch. Totals exceeded 10 inches in the mountains above Seathwaite.




**Rainfall, August 1952, as per cent of average**

**August.** Mean pressure was below average everywhere, especially in the south, and winds between south and west predominated. Mean temperature was a little above average and sunshine totals rather below average. The month will be remembered for the intense storm to the north of London on the 6th, when 4·83 inches fell at Boreham Wood, and for the heavy and prolonged rain on Exmoor on the night of the 15th and 16th resulting in the Lynmouth floods.

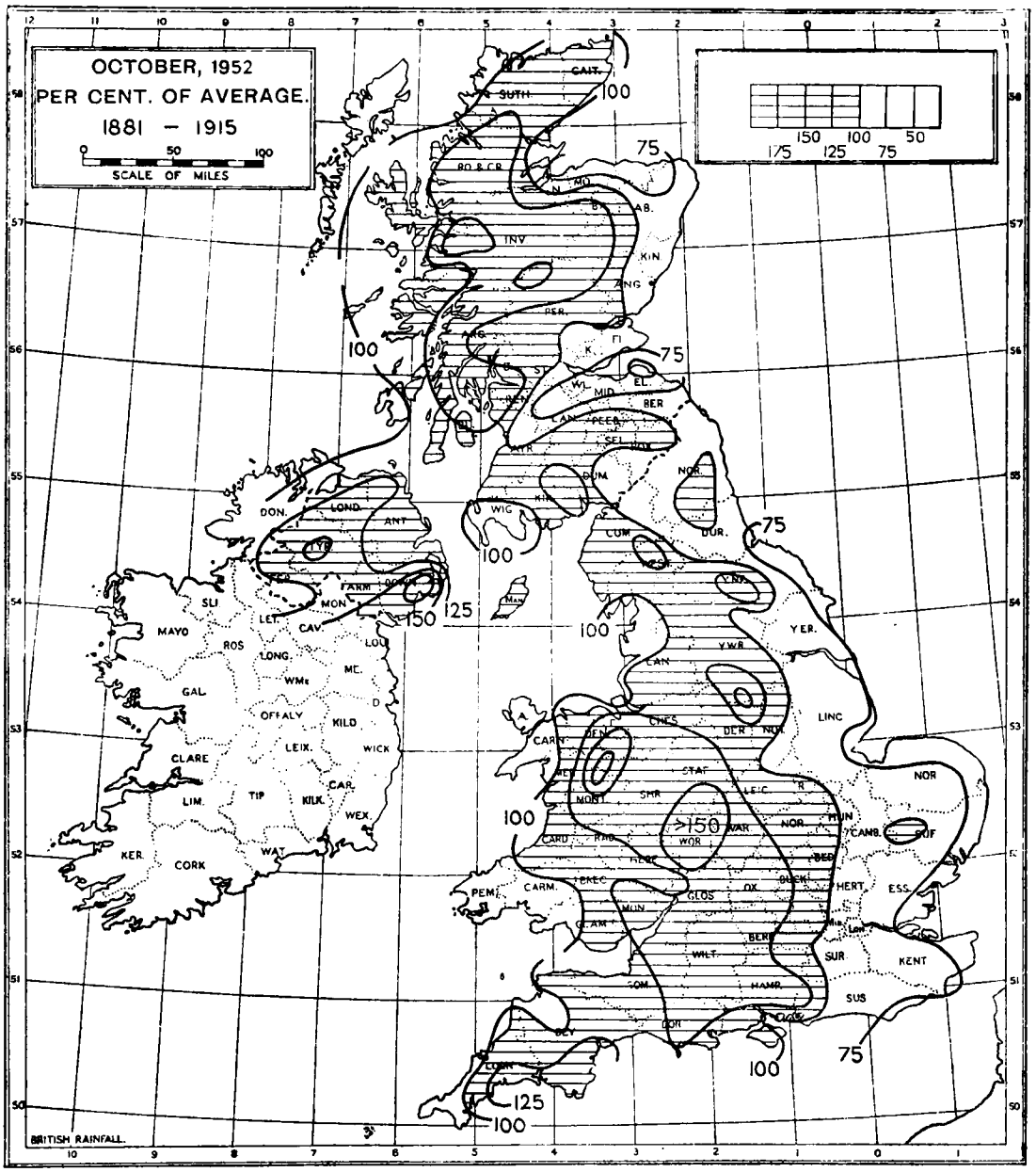
The total rainfall was more than 150 per cent of average over much of the southern half of England and the English Lake District, with more than 250 per cent in north Devonshire and south Hertfordshire. By contrast, Cheshire and an area around Hull had less than 50 per cent. Nearly two-thirds of the country received more than 4 inches and as much as 20 inches fell on the mountains above Seathwaite.




**Rainfall, September 1952, as per cent of average**

**September.** Mean pressure was below average, especially in the east, and the trend of the isobars was from north-west to south-east, instead of from west to east, so that winds were often from a northerly direction. At Oxford the month ranked as the coldest September in records back to 1812. Snow and sleet fell locally in Scotland. Rainfall was variable, with some severe thunderstorms in the south on the 7th and 9th. From the 21st to the end of the month rainfall was at times frequent and prolonged (see Section 7).

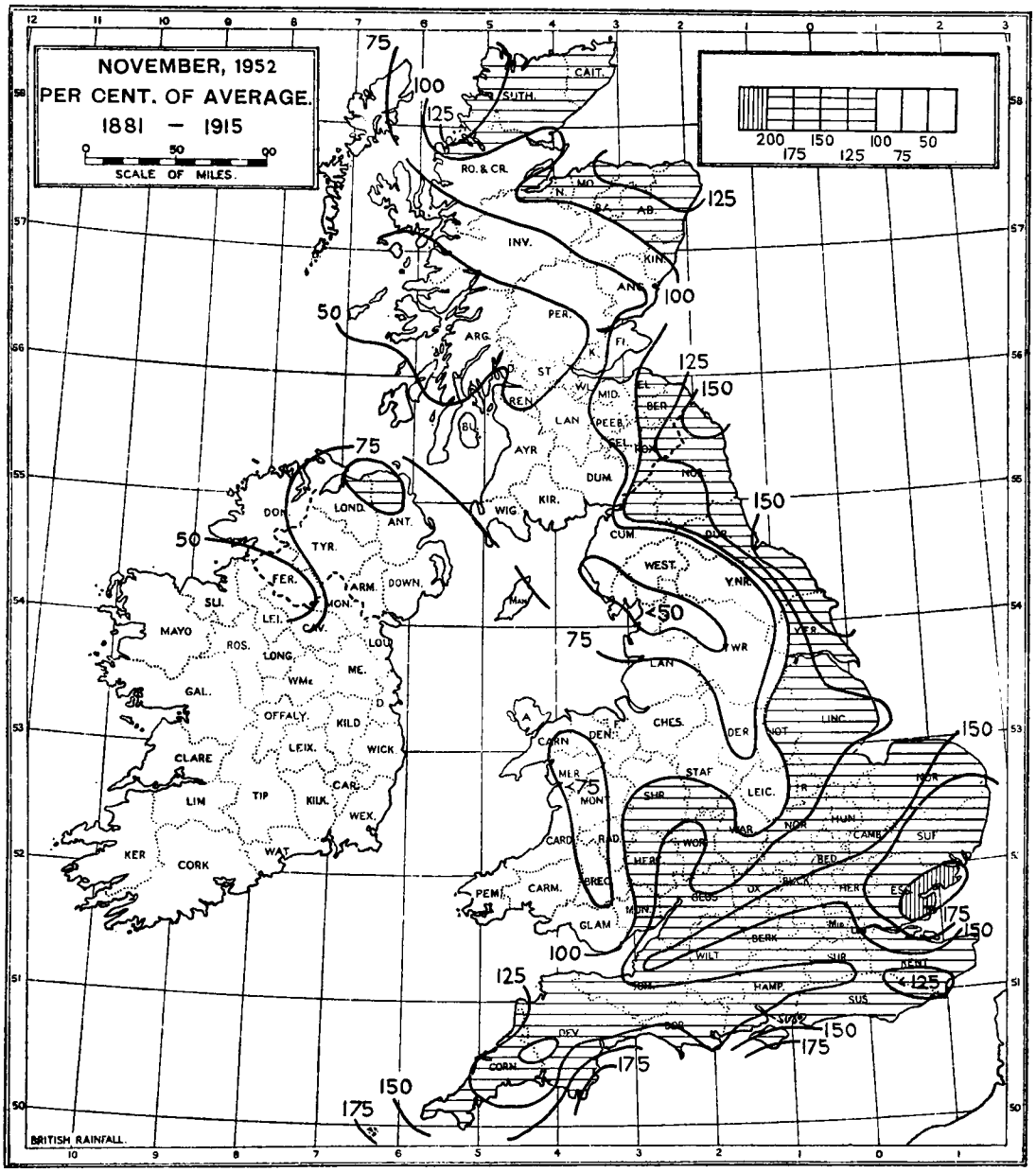
Rainfall was less than average over much of the English Midlands, South Wales and most of Scotland with over twice the average in parts of the south and east of England. Totals varied from less than an inch in eastern Perthshire and Angus to more than 10 inches over parts of the Western Highlands, Snowdonia and the English Lake District.




**Rainfall, October 1952, as per cent of average**

**October.** Pressure was below average everywhere, but the general trend of the isobars was fairly normal. Winds were most frequent from between south-east and south-west in the north and between south-west and north-west in the south. Mean temperature was below average; the cold weather of September persisted for the first three weeks of October, after which milder conditions set in. Rainfall exceeded the average over much of south-west and central England, Wales, western and central Scotland and Northern Ireland.

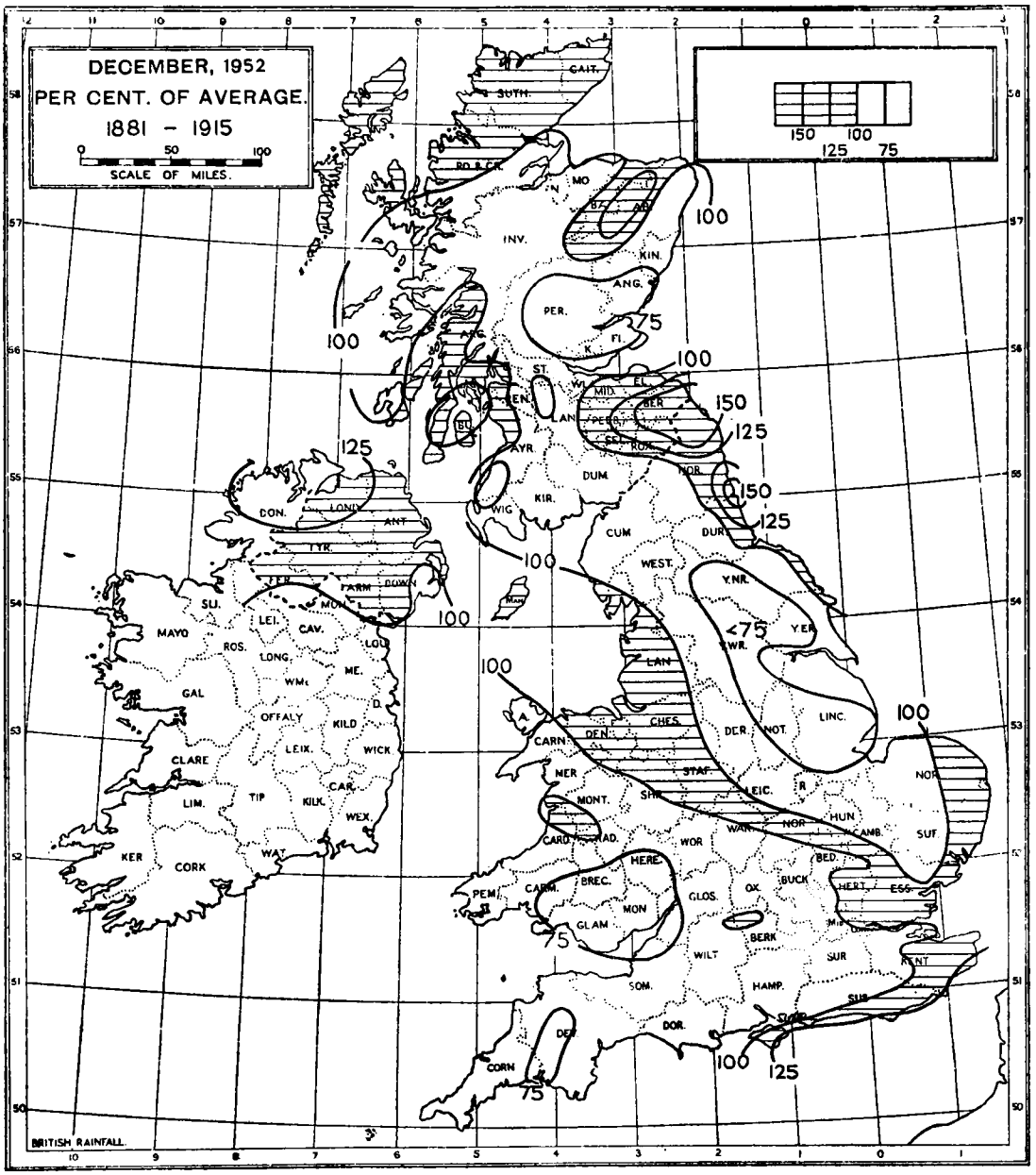
There was less than 75 per cent over much of the east coast of Great Britain. The distribution in inches was markedly orographical, amounts increasing from less than 2 inches around the Thames Estuary, the Wash, Firth of Forth and Moray Firth to more than 10 inches over much of the higher ground in the west.




**Rainfall, November 1952, as per cent. of average**

**November.** The deviation of mean pressure from average at 9h. ranged from +7·4mb. at Stornoway to −1·7 mb. at Lympne, so that the general trend of the isobars was from north to south and winds were mainly between north-west and north-east. The gale of the 6th to 8th caused widespread damage. It was very cold, especially in the second half of the month, when there were heavy falls of sleet and snow.

Rainfall totals exceeded the average in the east, south and north of Great Britain, but were well below average in the west; they varied from twice the average in the east of Essex to less than 60 per cent from west Yorkshire to western Inverness-shire. Totals were below 2 inches over much of the catchments of the Yorkshire Ouse and Trent, increasing to more than 4 inches over many coastal districts of Great Britain with more than 10 inches locally in Sutherland.




**Rainfall, December 1952, as per cent of average**

**December.** Mean pressure was somewhat above average in most districts but slightly below in the east. Winds from the west predominated but northerly winds were also rather frequent. The first 9 days of the month were quiet, with severe fogs, and it is estimated that 4,000 deaths resulted from the persistent smoke laden fog over London from the 5th to 9th. The month was cold; snow and sleet fell frequently from the 13th onwards, heavily on the 14th and 15th. Away from the towns it was a sunny month over the southern half of Great Britain, the sunniest December at Oxford in 72 years.

Most of Great Britain had less than the average rainfall, but there was more than 150 per cent in the north-east of England and south-east of Scotland. A large area extending from Middlesbrough to Bedford received less than 2 inches but there was more than 10 inches in the mountainous districts of the west.

## Table 8c Monthly Rainfall at 334 Stations in Great Britain and Northern Ireland in 1952

### ENGLAND, WALES AND THE ISLANDS

| County and River Division | Station | Jan. | Feb. | Mar. | Apr. | May | Jun. | Jul. | Aug. | Sep. | Oct. | Nov. | Dec. | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. |
| London .....2 | St. Pancras (Camden Square) ..... | 1·64 | ·90 | 2·97 | 1·25 | 1·07 | 1·59 | ·70 | 2·54 | 2·76 | 2·61 | 3·85 | 2·38 | 24·26 |
| Surrey .....6 | Godalming (Kingscote) ..... | 2·14 | ·72 | 2·66 | 1·73 | 2·24 | 1·58 | 1·00 | 2·74 | 3·28 | 3·23 | 3·16 | 2·27 | 26·75 |
| ,, .....6 | Byfleet (Wisley R.H.S. Gardens) . | 2·22 | ·66 | 2·38 | 1·44 | 1·94 | 1·77 | ·63 | 3·20 | 3·25 | 2·81 | 2·94 | 2·38 | 25·62 |
| Kent .....1 | Dover (Waterloo Crescent) ..... | 3·17 | 1·20 | 3·68 | 1·21 | 1·25 | ·83 | ·52 | 2·86 | 5·77 | 2·33 | 3·33 | 3·88 | 29·93 |
| ,, .....2 | Canterbury (Sewage Works) ..... | 2·47 | 1·31 | 3·23 | 1·05 | ·90 | 2·20 | ·79 | 2·43 | 5·07 | 1·83 | 4·00 | 2·30 | 27·58 |
| ,, .....4 | Edenbridge (Falconhurst) ..... | 2·88 | 1·06 | 3·32 | 1·97 | 1·26 | 1·26 | ·82 | 3·55 | 3·15 | 2·91 | 4·46 | 2·79 | 29·43 |
| ,, .....4 | East Malling (Research Station).... | 2·30 | ·83 | 3·27 | 1·06 | 1·02 | 1·15 | ·67 | 2·85 | 3·20 | 2·60 | 4·64 | 2·84 | 26·43 |
| ,, .....4 | Strood (Waterworks) ..... | 1·77 | ·95 | 2·79 | ·99 | ·89 | 1·26 | ·69 | 2·44 | 3·37 | 1·96 | 4·55 | 2·20 | 23·86 |
| ,, .....5 | Bromley ..... | 1·91 | 1·06 | 2·83 | 1·11 | 1·85 | 1·55 | ·71 | 3·37 | 3·32 | 2·62 | 3·75 | 2·14 | 26·22 |
| Sussex .....1 | Bognor Regis (Waterloo Square) ... | 2·71 | ·73 | 3·20 | 1·48 | 2·47 | 1·44 | ·64 | 1·53 | 4·39 | 3·51 | 3·76 | 3·00 | 28·86 |
| ,, .....1 | Compton (Compton House) ..... | 3·09 | ·94 | 3·67 | 2·43 | 3·20 | 1·78 | ·64 | 2·90 | 4·43 | 6·68 | 5·09 | 3·83 | 38·68 |
| ,, .....2 | Horsham (Wimblehurst) ..... | 2·66 | ·90 | 3·19 | 1·76 | 2·51 | 1·33 | 1·35 | 2·94 | 3·44 | 3·58 | 4·08 | 2·84 | 30·58 |
| ,, .....3 | Worthing (Beach House Park) .... | 2·70 | ·79 | 2·71 | 1·35 | 1·79 | 1·22 | ·79 | 2·04 | 4·60 | 3·16 | 4·12 | 3·27 | 28·54 |
| ,, .....5 | Hailsham (Magham Down) ..... | 2·78 | 1·12 | 2·88 | 1·32 | 1·51 | ·72 | ·71 | 4·03 | 3·71 | 3·40 | 4·89 | 3·87 | 30·94 |
| Hampshire .....1 | Ventnor Park ..... | 2·90 | ·92 | 4·15 | 1·57 | 2·11 | 1·29 | ·41 | 1·96 | 6·45 | 4·29 | 6·08 | 4·38 | 36·51 |
| ,, .....4 | Sway (Gordleton) ..... | 2·43 | ·65 | 2·71 | 1·35 | 2·52 | 1·27 | ·18 | 3·86 | 4·10 | 3·35 | 4·48 | 3·41 | 30·31 |
| ,, .....4 | Calshot ..... | 2·25 | ·55 | 2·44 | 1·89 | 2·44 | 1·28 | ·31 | 2·41 | 4·38 | 3·55 | 3·84 | 2·41 | 27·75 |
| ,, .....5 | Portsmouth (Southsea Common) .. | 2·27 | ·61 | 2·53 | 1·20 | 2·00 | 1·47 | ·25 | 2·18 | 5·01 | 3·70 | 4·30 | 2·62 | 28·14 |
| ,, .....5 | Winchester (Recreation Ground)... | 2·44 | ·71 | 3·57 | 1·78 | 2·98 | 1·35 | ·27 | 3·90 | 2·53 | 4·52 | 3·71 | 2·68 | 30·44 |
| ,, .....7 | Selborne (The Wakes) ..... | 3·25 | ·76 | 3·79 | 2·25 | 3·38 | 1·39 | 1·17 | 3·52 | 3·70 | 5·25 | 4·61 | 3·34 | 36·41 |
| ,, .....8 | Sherborne St. John ..... | 2·40 | ·72 | 2·76 | 1·56 | 3·18 | 1·70 | ·68 | 2·49 | 3·48 | 4·18 | 3·74 | 2·40 | 29·29 |
| Berkshire .....4 | Newbury (Greenham Common).... | 2·35 | ·94 | 2·58 | 2·06 | 2·80 | 1·95 | ·46 | 3·70 | 2·14 | 4·87 | 3·16 | 2·29 | 29·30 |
| ,, .....5 | Didcot (Sewage Works) ..... | 1·73 | ·61 | 2·32 | 1·25 | 3·49 | 1·24 | ·50 | 3·81 | 1·37 | 3·61 | 3·12 | 2·24 | 25·29 |
| Hertfordshire ....2 | Harpenden (Rothamsted) ..... | 1·81 | ·65 | 2·60 | 1·90 | 1·66 | ·72 | ·50 | 4·94 | 3·55 | 2·80 | 3·96 | 2·82 | 27·91 |
| ,, ....3 | Royston (Therfield Rectory) ..... | 1·44 | ·56 | 3·13 | 1·32 | 2·42 | 1·15 | ·66 | 5·02 | 3·12 | 2·16 | 3·74 | 2·01 | 26·73 |
| Buckinghamshire..2 | Princes Risborough (Research Lab.) | 1·64 | ·64 | 2·45 | 1·85 | 2·62 | ·78 | ·47 | 3·72 | 2·60 | 2·92 | 3·65 | 2·71 | 26·05 |
| ,, ..3 | Slough (Upton) ..... | 1·80 | ·75 | 2·55 | 1·78 | 2·31 | 1·14 | ·44 | 2·57 | 3·06 | 2·84 | 2·93 | 2·30 | 24·47 |
| ,, ..3 | Penn (Rayners) ..... | 2·13 | ·75 | 2·73 | 1·82 | 3·14 | 1·03 | ·59 | 3·33 | 3·37 | 3·50 | 3·66 | 3·15 | 29·20 |
| ,, ..5 | Oving House ..... | 1·50 | ·57 | 2·36 | 1·55 | 2·42 | 1·91 | ·40 | 2·99 | 2·74 | 3·68 | 3·13 | 2·64 | 25·89 |
| Oxfordshire .....3 | Oxford (Radcliffe Met. Station) ... | 1·82 | ·51 | 2·40 | 1·61 | 2·23 | 1·33 | ·29 | 4·27 | 1·68 | 3·76 | 3·81 | 2·16 | 25·87 |
| ,, ..3 | West Adderbury (Cross Hill) ..... | 1·90 | ·63 | 2·95 | 1·87 | 2·22 | 1·83 | ·37 | 3·40 | 1·38 | 3.66 | 2·91 | 2·68 | 25·80 |
| Northamptonshire 4 | Broekhall (The Old Rectory) ..... | 1·52 | ·64 | 2·44 | 1·81 | 2·07 | 1·19 | ·33 | 3·58 | 2·04 | 3·32 | 2·64 | 2·74 | 24·32 |
| ,, 4 | Wellingborough (Swanspool) ..... | 1·52 | ·74 | 2·93 | 1·99 | 3·45 | 1·14 | ·45 | 3·27 | 2·33 | 2·69 | 2·91 | 2·39 | 25·81 |
| Huntingdonshire .1 | St. Ives (Tenterleas) ..... | 1·42 | ·64 | 2·72 | 1·77 | 2·48 | ·92 | ·66 | 3·90 | 1·97 | 2·41 | 3·21 | 1·62 | 23·72 |
| ,, ..1 | Whittlesea Mere ..... | 1·10 | ·40 | 2·40 | 1·38 | 1·70 | ·94 | ·34 | 2·47 | 2·48 | 2·66 | 2·48 | 1·37 | 19·72 |
| Bedfordshire .....3 | Woburn (Experimental Farm) ..... | 1·51 | ·67 | 3·56 | 1·93 | 2·47 | 1·19 | ·39 | 3·18 | 3·06 | 2·97 | 3·24 | 2·06 | 26·23 |
| ,, .....3 | Sandy (Mogerhanger Park) ..... | 1·25 | ·63 | (3·10) | ·96 | 2·29 | 1·23 | ·43 | 3·10 | 2·42 | 2·15 | 3·08 | 1·89 | 22·53 |
| Cambridgeshire ..2 | Cambridge (Botanic Gardens) ..... | 1·44 | ·66 | 2·80 | 1·50 | 1·62 | 1·73 | ·51 | 2·62 | 2·26 | 2·09 | 2·89 | 1·97 | 22·09 |

## Table 8c Monthly Rainfall—ENGLAND, WALES AND THE ISLANDS (*continued*)

| County and River Division | Station | Jan. | Feb. | Mar. | Apr. | May | Jun. | Jul. | Aug. | Sep. | Oct. | Nov. | Dec. | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. |
| Cambridgeshire ..2 | Littleport (Highfield House) ..... | 1·40 | ·54 | 2·23 | 1·36 | 1·51 | ·99 | ·62 | 2·34 | 2·17 | 1·85 | 2·98 | 1·41 | 19·40 |
| ,, .....2 | March ..... | 1·42 | ·46 | 2·95 | 1·28 | 1·89 | 1·19 | ·40 | 2·42 | 2·86 | 2·48 | 2·89 | 1·70 | 21·94 |
| Essex .....1 | Hatfield Broad Oak (Barrington) .. | 1·96 | ·73 | 3·27 | 1·33 | ·90 | 2·69 | ·70 | 3·17 | 2·60 | 2·34 | 4·33 | 2·64 | 26·66 |
| ,, .....2 | North Weald (Canes) ..... | 2·05 | ·77 | 2·74 | 1·35 | 1·74 | 1·18 | ·60 | 2·29 | 2·69 | 2·33 | 3·47 | 2·64 | 23·85 |
| ,, .....3 | Shoeburyness ..... | 1·48 | ·94 | 2·76 | ·73 | 1·24 | 1·40 | ·57 | 3·07 | 3·50 | 1·30 | 4·23 | 2·03 | 23·25 |
| ,, .....4 | Bradwell-on-Sea (Bellropes) ..... | 1·29 | ·92 | 2·98 | ·80 | 1·32 | 1·95 | ·52 | 2·60 | 4·12 | 2·06 | 4·54 | 2·30 | 25·40 |
| ,, .....4 | Maldon ..... | 1·58 | ·83 | 3·06 | ·91 | 1·23 | 1·70 | ·55 | 1·49 | 3·65 | 1·89 | 4·10 | 2·47 | 23·46 |
| ,, .....5 | Halstead (The Brewery)..... | 2·13 | ·61 | 3·12 | 1·19 | ·64 | 1·20 | ·74 | 2·54 | 2·71 | 2·15 | 4·39 | 2·35 | 23·77 |
| ,, .....6 | Dovercourt..... | 2·48 | ·86 | 2·87 | ·67 | 1·12 | 1·39 | ·83 | 2·12 | 4·48 | 1·61 | 4·45 | 2·44 | 25·32 |
| Suffolk .....2 | Ipswich (Belstead Hall) ..... | 2·48 | ·78 | 2·98 | 1·07 | ·98 | 1·73 | ·71 | 2·98 | 2·71 | 1·73 | 4·25 | 2·56 | 24·96 |
| ,, .....4 | Lowestoft (Secondary School) ..... | 2·52 | 1·05 | 2·38 | ·84 | 1·06 | 1·54 | 1·61 | 4·31 | 2·79 | 1·76 | 4·21 | 2·79 | 26·86 |
| ,, .....5 | Bury St. Edmunds (Westley Hall) .. | 2·47 | ·97 | 3·10 | 1·73 | 1·00 | 1·58 | ·95 | 3·33 | 2·73 | 2·83 | 4·12 | 2·14 | 26·95 |
| Norfolk.....1 | Cawston (New Street) ..... | 2·88 | 1·09 | 2·65 | 1·77 | 1·07 | ·67 | 1·92 | 1·72 | 3·13 | 1·95 | 4·35 | 2·80 | 26·00 |
| ,, .....2 | Sprowston ..... | 2·88 | ·98 | 2·44 | 1·53 | 1·04 | 1·44 | 2·12 | 1·92 | 2·69 | 2·28 | 4·28 | 2·57 | 26·17 |
| ,, .....3 | Sandringham House Gardens ..... | 2·63 | ·84 | 2·72 | 1·39 | 2·34 | ·98 | ·92 | 2·24 | 3·35 | 2·22 | 3·27 | 2·48 | 25·38 |
| ,, .....3 | Cromer (Howards Hill) ..... | 2·49 | 1·04 | 2·40 | 1·57 | 1·16 | ·68 | 1·00 | 1·97 | 2·85 | 2·27 | 4·07 | 2·82 | 24·32 |
| ,, .....3 | Hunstanton ..... | 1·74 | ·73 | 2·06 | 1·41 | 1·88 | 1·65 | ·56 | 1·94 | 2·63 | 1·94 | 2·17 | 1·61 | 20·32 |
| ,, .....4 | Thetford (Waterworks) ..... | 1·55 | ·89 | 3·19 | 1·01 | 1·40 | 1·21 | ·94 | 3·43 | 2·32 | 2·29 | 4·47 | 1·88 | 24·58 |
| ,, .....4 | Swaffham (Saham Toney) ..... | 2·01 | ·98 | 2·26 | 1·62 | 2·28 | 1·51 | 1·23 | 2·81 | 2·52 | 2·44 | 4·27 | 2·26 | 26·19 |
| Wiltshire .....3 | Fonthill House Gardens ..... | 3·94 | 1·08 | 4·26 | 2·82 | 4·19 | 1·99 | ·87 | 6·20 | 3·70 | 5·03 | 4·43 | 3·61 | 42·12 |
| ,, .....3 | Porton (C.D.E.E.)..... | 2·54 | ·43 | 3·43 | 1·89 | 4·86 | 1·41 | ·42 | 4·88 | 2·75 | 4·63 | 3·30 | 2·66 | 33·20 |
| ,, .....3 | Larkhill (School of Artillery) ..... | 2·78 | ·46 | 2·78 | 1·97 | 3·66 | 1·30 | ·40 | 3·70 | 2·69 | 4·41 | 3·52 | 2·95 | 30·62 |
| ,, .....5 | Aldbourne (Manor House) ..... | 2·68 | ·95 | 3·00 | 2·04 | 3·39 | 1·81 | ·34 | 5·53 | 2·36 | 4·64 | 4·76 | 3·43 | 34·93 |
| Dorset .....3 | Creech Grange ..... | 2·75 | ·84 | 3·96 | 2·02 | 2·87 | 1·36 | ·96 | 2·74 | 6·55 | 5·59 | 4·64 | 3·69 | 37·97 |
| ,, .....3 | Beaminster (East Street) ..... | 3·34 | ·73 | 4·02 | 3·03 | 3·06 | 1·67 | ·98 | 5·04 | 6·58 | 5·32 | 4·95 | 3·75 | 42·47 |
| ,, .....4 | Blandford (Bryanston) ..... | 2·56 | ·34 | 3·30 | 1·98 | 2·88 | 1·06 | ·91 | 3·93 | 4·69 | 4·74 | 3·45 | 3·20 | 33·04 |
| Devonshire, South 2 | Plymouth (The Hoe) ..... | 4·13 | ·75 | 4·43 | 3·37 | 2·08 | ·98 | ·90 | 6·33 | 3·31 | 5·29 | 3·98 | 3·51 | 39·06 |
| ,, ,, 4 | Ashburton (West Street) ..... | 6·71 | ·58 | 4·91 | 5·83 | 2·68 | 1·04 | 1·65 | 5·89 | 4·41 | 10·35 | 6·37 | 5·05 | 55·47 |
| ,, ,, 4 | Princetown (H.M. Prison) ..... | 9·06 | 1·81 | 8·82 | 6·84 | 4·42 | 3·87 | 3·30 | 9·03 | 5·52 | 9·93 | 7·67 | 7·80 | 78·07 |
| ,, ,, 5 | Teignmouth (Den Gardens) ..... | 3·11 | ·55 | 2·77 | 2·66 | 2·42 | 1·75 | ·88 | 3·88 | 2·82 | 5·36 | 5·15 | 3·33 | 34·68 |
| ,, ,, 6 | Crediton (Okefield) ..... | 3·95 | ·69 | 2·70 | 3·25 | 2·28 | 1·49 | ·63 | 5·76 | 2·98 | 4·74 | 3·93 | 3·41 | 35·81 |
| ,, ,, 6 | Cullompton ..... | 4·19 | 1·17 | 3·65 | 2·91 | 2·78 | 1·36 | 1·05 | 5·59 | 3·48 | 4·86 | 3·91 | 4·10 | 39·05 |
| ,, ,, 7 | Sidmouth (Loretto)..... | 2·34 | ·64 | 3·06 | 2·87 | 2·65 | 1·83 | ·91 | 3·02 | 2·57 | 6·03 | 3·84 | 3·01 | 32·77 |
| Devonshire, North 1 | Ilfracombe (Bowling Green) ..... | 4·58 | 1·01 | 3·71 | 4·01 | 3·26 | 2·38 | 1·56 | 7·51 | 3·59 | 4·90 | 4·53 | 4·29 | 45·33 |
| ,, ,, 3 | Okehampton (Uplands) ..... | 7·51 | 1·56 | 4·85 | 4·16 | 3·37 | 2·33 | 1·46 | 10·54 | 5·00 | 5·92 | 6·06 | 4·84 | 57·60 |
| ,, ,, 3 | Torrington (Caynton House) ..... | 4·55 | 1·07 | 3·07 | 3·68 | 2·84 | 1·51 | 1·32 | 8·85 | 5·13 | 5·00 | 4·45 | 4·01 | 45·48 |
| Cornwall.....1 | Newquay (Mount Wise) ..... | 3·58 | ·97 | 2·95 | 2·72 | 2·35 | 1·09 | ·93 | 3·56 | 4·19 | 3·96 | 3·92 | 3·91 | 34·13 |
| ,, .....1 | Bodmin (Castle Hill House) ..... | 5·55 | 1·54 | 4·21 | 3·44 | 3·41 | 1·46 | 1·38 | 4·82 | 5·06 | 7·66 | 4·04 | 4·83 | 47·40 |

## Table 8c Monthly Rainfall—ENGLAND, WALES AND THE ISLANDS (*continued*)

| County and River Division | Station | Jan. | Feb. | Mar. | Apr. | May | Jun. | Jul. | Aug. | Sep. | Oct. | Nov. | Dec. | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. |
| Cornwall.....1 | Bude (School House) ..... | 3·40 | 1·23 | 3·18 | 2·65 | 2·45 | 1·92 | ·89 | 5·47 | 3·32 | 5·07 | 4·45 | 4·00 | 38·03 |
| ,, .....2 | Penzance (Morrab Gardens) ..... | 6·10 | 1·70 | 3·98 | 3·76 | 2·06 | 1·33 | 1·35 | 3·57 | 4·29 | 4·42 | 6·60 | 4·51 | 43·67 |
| ,, .....2 | Falmouth Observatory ..... | 6·01 | 1·46 | 4·08 | 3·96 | 1·87 | 1·28 | 1·53 | 4·66 | 4·74 | 5·72 | 6·51 | 4·81 | 46·63 |
| ,, .....2 | St. Austell (Poltair Public Gardens) | 5·46 | 1·51 | 4·30 | 3·60 | 3·14 | 1·34 | 1·36 | 4·61 | 5·11 | 7·63 | 5·78 | 5·31 | 49·15 |
| ,, .....4 | Scilly (Tresco Abbey) ..... | 3·64 | 1·23 | 3·25 | 2·93 | 1·88 | 1·11 | 2·07 | 3·56 | 4·67 | 3·02 | 6·01 | 3·78 | 37·15 |
| Somerset .....1 | Litton (Sherborne Reservoir) ..... | 4·90 | ·83 | 4·61 | 2·35 | 4·35 | 3·20 | ·81 | 6·30 | 4·37 | 5·28 | 5·11 | 3·78 | 45·89 |
| ,, .....1 | Long Ashton (Research Station) ... | 3·24 | ·76 | 2·98 | 1·81 | 4·28 | 3·94 | ·77 | 6·16 | 3·23 | 4·71 | 4·23 | 2·24 | 38·35 |
| ,, .....1 | Bath (Henrietta Park)..... | 2·68 | ·75 | 2·69 | 1·56 | 4·44 | 2·49 | 1·47 | 4·83 | 3·50 | 4·39 | 4·80 | 2·74 | 36·34 |
| ,, .....2 | Street (Millfield) ..... | 2·42 | 1·02 | 2·82 | 1·81 | 4·08 | 2·65 | ·73 | 4·31 | 3·29 | 3·60 | 3·96 | 3·22 | 33·91 |
| ,, .....2 | Burnham (Dunstan House) ..... | 2·56 | ·81 | 2·96 | 1·84 | 3·81 | 2·63 | ·63 | 5·63 | 3·39 | 4·16 | 5·01 | 2·62 | 36·05 |
| ,, .....3 | Taunton (Vivary Park)..... | 3·02 | ·68 | 2·31 | 2·53 | 3·23 | 2·11 | ·83 | 4·20 | 3·37 | 3·89 | 4·39 | 2·37 | 32·93 |
| ,, .....5 | Brushford Nurseries ..... | 6·89 | 1·11 | 3·02 | 3·63 | 3·35 | 1·86 | 1·34 | 5·06 | 5·35 | 5·27 | 6·01 | 5·82 | 48·71 |
| Gloucestershire ...3 | Cheltenham (Montpellier Gardens). | 1·81 | ·66 | 1·88 | 1·98 | 3·06 | 1·72 | ·35 | 4·03 | 1·09 | 2·89 | 2·99 | 2·23 | 24·69 |
| ,, ...4 | Blockley (The Manor House) ..... | 2·40 | 1·01 | 2·86 | 1·95 | 3·80 | 1·62 | ·31 | 3·99 | 1·30 | 4·17 | 2·71 | 3·26 | 29·38 |
| ,, ...7 | Lechdale (St. John's Lock) ..... | 1·76 | ·49 | 2·45 | 1·66 | 2·72 | 1·56 | ·30 | 5·31 | ·97 | 4·09 | 3·79 | 2·14 | 27·24 |
| ,, ...7 | Cirencester (Somerford Road) ..... | 2·21 | ·63 | 3·19 | 2·05 | 2·68 | 1·92 | ·19 | 3·60 | 1·43 | 4·65 | 3·81 | 2·88 | 29·24 |
| Herefordshire.....1 | Ross-on-Wye ..... | 1·99 | ·39 | 1·85 | 2·03 | 3·70 | 1·61 | 1·10 | 4·82 | 1·83 | 3·61 | 3·76 | 1·54 | 28·23 |
| ,, .....1 | Vowchurch (Ladywell House)..... | 3·07 | ·77 | 1·86 | 2·22 | 3·62 | 2·84 | 1·32 | 6·13 | 2·70 | 4·75 | 3·91 | 2·97 | 36·16 |
| ,, .....1 | Presteigne (Middlemoor) ..... | 3·62 | ·71 | 2·07 | 2·13 | 2·50 | 1·71 | ·84 | 5·04 | 2·92 | 5·39 | 3·42 | 3·54 | 33·89 |
| Shropshire .....3 | Bromfield (Oakly Park) ..... | 3·02 | ·65 | 2·28 | 1·97 | 2·50 | 1·45 | ·83 | 5·45 | 2·53 | 4·18 | 2·38 | 2·97 | 30·21 |
| ,, .....3 | Church Stretton (Sewage Works) .. | 3·47 | ·68 | 2·06 | 1·84 | 2·82 | 2·38 | 1·06 | 2·79 | 2·53 | 4·92 | 3·67 | 3·22 | 31·44 |
| ,, .....3 | Shrewsbury (Monkmoor) ..... | 2·43 | ·62 | 1·25 | 1·83 | 1·63 | 2·11 | ·67 | 2·03 | 1·41 | 3·57 | 2·34 | 2·72 | 22·61 |
| ,, .....4 | Oswestry (Mount Reservoir) ..... | 3·89 | ·46 | 1·50 | 2·08 | 2·98 | 1·58 | 2·58 | 2·46 | 2·42 | 8·26 | 2·85 | 3·81 | 34·87 |
| Staffordshire .....3 | Lichfield (Hanch Reservoir) ..... | 2·66 | ·57 | 2·08 | 2·36 | 2·71 | 2·39 | 1·13 | 2·30 | 1·24 | 3·19 | 1·56 | 3·13 | 25·32 |
| ,, .....3 | Stafford (Victoria Pleasure Ground) | 2·32 | ·61 | 1·62 | 2·52 | 3·23 | 2·57 | 2·36 | 2·60 | 1·84 | 3·64 | 1·57 | 3·13 | 28·01 |
| ,, .....4 | Longton (The Meir) ..... | 3·60 | 1·30 | 2·08 | 3·58 | 2·33 | 2·73 | 3·01 | 1·79 | 1·91 | 4·50 | 1·77 | 3·52 | 32·12 |
| Worcestershire ...1 | Malvern (Free Library) ..... | 2·22 | ·46 | 2·24 | 2·40 | 3·49 | 2·23 | 1·08 | 4·73 | 1·29 | 4·77 | 3·30 | 2·26 | 30·47 |
| ,, ....2 | Stourport (Lincombe Lock) ..... | 2·21 | ·50 | 1·58 | 2·11 | 2·85 | 1·58 | 1·02 | 4·98 | 1·12 | 4·45 | 1·83 | 2·64 | 26·87 |
| Warwickshire ....1 | Alcester (Arrowside)..... | 1·52 | ·49 | 2·34 | 2·00 | 2·40 | 1·73 | ·28 | 4·88 | 1·15 | 4·55 | 2·56 | 2·50 | 26·40 |
| ,, ....1 | Leamington Spa (Pump Room Gdns.) | 1·71 | ·46 | 1·99 | 1·87 | 2·72 | 1·35 | ·30 | 4·49 | ·85 | 3·44 | 2·36 | 2·26 | 23·80 |
| ,, ....1 | Coventry (City Hospital) ..... | 1·74 | ·52 | 2·30 | 2·21 | 3·12 | 1·21 | ·28 | 4·30 | 1·41 | 4·02 | 1·82 | 2·51 | 25·44 |
| ,, ....4 | Birmingham (Edgbaston Observatory) | 2·72 | ·63 | 2·49 | 2·86 | 2·58 | 1·55 | 1·73 | 3·66 | 1·74 | 4·19 | 2·54 | 2·84 | 29·53 |
| Leicestershire ....2 | Caldecott (Eye Brook Reservoir) .. | 1·53 | ·44 | 2·22 | 1·68 | 2·50 | 1·13 | ·29 | 2·88 | 2·73 | 2·54 | 2·57 | 2·10 | 22·61 |
| ,, ....4 | Thornton Reservoir ..... | 1·93 | ·71 | 2·87 | 2·21 | 2·36 | 1·87 | ·55 | 3·72 | 1·64 | 2·88 | 2·00 | 2·65 | 25·39 |
| ,, ....4 | Loughborough (Nanpantan Res.) .. | 2·80 | ·64 | 3·11 | 2·14 | 2·43 | 1·91 | ·32 | 2·37 | 1·65 | 2·71 | 2·04 | 3·10 | 25·22 |
| Lincolnshire .....2 | Spalding (Pode Hole) ..... | 1·63 | ·44 | 2·77 | 1·42 | 3·07 | ·95 | ·25 | 2·65 | 2·61 | 2·56 | 2·49 | 1·90 | 22·74 |
| ,, .....3 | Boston (Black Sluice, Skirbeck) ... | 1·52 | ·46 | 2·35 | 1·09 | 2·73 | 1·83 | ·48 | 2·61 | 2·21 | 1·93 | 2·79 | 1·61 | 21·61 |
| ,, .....3 | Cranwell Airfield..... | 1·25 | ·25 | 2·42 | ·84 | 1·97 | 3·42 | ·22 | 1·64 | 1·96 | 2·39 | 2·10 | 1·48 | 19·94 |

## Table 8c Monthly Rainfall—ENGLAND, WALES AND THE ISLANDS (*continued*)

| County and River Division | Station | Jan. | Feb. | Mar. | Apr. | May | Jun. | Jul. | Aug. | Sep. | Oct. | Nov. | Dec. | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. |
| Lincolnshire .....3 | Horncastle ..... | 1·86 | ·81 | 3·26 | 1·22 | 1·20 | 2·03 | ·40 | 3·57 | 2·99 | 2·35 | 2·76 | 1·96 | 24·41 |
| ,, .....3 | Lincoln (Skellingthorpe Hall) ..... | 1·38 | ·41 | 2·57 | 1·19 | 1·31 | 1·63 | ·31 | 1·99 | 1·95 | 2·40 | 1·96 | 1·63 | 18·73 |
| ,, .....4 | Skegness (Marine Gardens)..... | 1·57 | ·70 | 2·55 | 1·01 | 1·46 | ·78 | ·41 | 1·67 | 2·66 | 2·06 | 2·55 | 1·54 | 18·96 |
| ,, .....5 | Brigg (Wrawby Road) ..... | 1·80 | ·57 | 2·43 | ·95 | 1·22 | 2·86 | 1·23 | 1·61 | 2·25 | 2·17 | 2·49 | 1·79 | 21·37 |
| ,, .....5 | Cleethorpes (King's Parade) ..... | 1·21 | ·53 | 2·79 | 1·02 | 1·57 | 1·70 | ·51 | 2·27 | 2·73 | 2·26 | 3·26 | 2·08 | 21·93 |
| Nottinghamshire ..5 | Nottingham (The Castle) ..... | 1·70 | ·45 | 2·41 | 1·70 | 3·40 | 2·60 | ·34 | 2·18 | 1·48 | 2·64 | 1·83 | 2·18 | 22·91 |
| ,, ..5 | Mansfield (Carr Bank) ..... | 1·80 | ·37 | 2·00 | 1·77 | 2·38 | 1·73 | ·64 | 2·22 | 1·98 | 3·66 | 2·51 | 1·98 | 23·04 |
| ,, ..5 | Gringley Carr (Pumping Station) .. | 1·66 | ·44 | 1·99 | ·76 | 1·33 | 2·39 | 1·21 | ·95 | 1·87 | 2·14 | 1·93 | 1·23 | 17·90 |
| Derbyshire .....6 | Derby (Markeaton Park) ..... | 2·52 | ·73 | 2·23 | 1·64 | 2·69 | 2·68 | 1·04 | 1·74 | 1·78 | 3·32 | 1·69 | 2·93 | 24·99 |
| ,, .....6 | Buxton (Terrace Slopes) ..... | 6·61 | 3·43 | 3·16 | 4·33 | 2·62 | 3·58 | 2·97 | 2·64 | 4·61 | 5·69 | 3·67 | 5·57 | 48·88 |
| Cheshire .....2 | Northwich (Hunts Lock) ..... | 3·23 | 1·61 | 1·58 | 2·73 | 2·29 | 2·02 | 2·01 | 1·35 | 2·55 | 3·97 | 2·30 | 2·97 | 28·61 |
| ,, .....3 | Birkenhead (Bidston Observatory).. | 2·64 | ·97 | 1·63 | 1·54 | 1·84 | 1·80 | 1·13 | 2·21 | 3·70 | 3·20 | 2·44 | 2·84 | 25·94 |
| Lancashire, South .3 | Manchester (Whitworth Park) ..... | 3·28 | 1·19 | 2·40 | 3·61 | 1·89 | 2·55 | 2·81 | 2·24 | 3·33 | 3·48 | 2·54 | 3·56 | 32·88 |
| ,, .3 | Bolton (Queens Park)..... | 4·72 | 1·41 | 2·51 | 3·86 | 2·47 | 3·98 | 2·45 | 4·56 | 4·27 | 4·57 | 3·38 | 4·81 | 42·99 |
| ,, .3 | Rochdale (Queensway) ..... | 5·38 | 1·37 | 2·88 | 3·93 | 2·12 | 3·93 | 2·30 | 4·63 | 3·66 | 4·90 | 2·38 | 3·96 | 41·44 |
| Lancashire, Central1 | Squires Gate (Blackpool Airport) .. | 2·82 | ·96 | 1·71 | 2·25 | 2·22 | 2·67 | 1·17 | 3·23 | 4·61 | 3·36 | 1·96 | 3·75 | 30·71 |
| ,, 1 | Stonyhurst College ..... | 5·43 | 1·80 | 2·22 | 3·66 | 2·83 | 3·94 | 3·46 | 7·62 | 5·13 | 3·53 | 2·46 | 5·27 | 47·35 |
| ,, 3 | Southport (Bedford Road Park).... | 3·53 | 1·09 | 1·85 | 2·81 | 2·60 | 2·27 | 1·21 | 2·76 | 3·82 | 3·61 | 2·45 | 3·68 | 31·68 |
| Lancashire, North .3 | Morecambe ..... | 3·89 | 1·07 | 2·34 | 3·27 | 2·34 | 4·35 | 1·35 | 4·15 | 3·35 | 3·49 | 1·96 | 4·30 | 35·86 |
| ,, .5 | Garstang (Grizedale Reservoir) .... | 3·91 | 1·07 | 2·91 | 3·71 | 2·68 | 4·74 | 1·84 | 7·92 | 3·16 | 4·31 | 2·08 | 3·66 | 41·99 |
| Yorkshire, W.R. .1 | Sedb.rgh (Brigflatts) ..... | 5·59 | 1·64 | 3·57 | 4·03 | 2·68 | 5·67 | 2·16 | 6·06 | 4·23 | 4·06 | 2·48 | 5·46 | 47·63 |
| ,, .7 | Sheffield W.W. (Redmires Res.) ... | 4·32 | 1·25 | 2·43 | 2·65 | 3·05 | 2·12 | 1·82 | 2·45 | 4·51 | 6·88 | 3·16 | 3·69 | 38·33 |
| ,, .7 | Goole ..... | 1·62 | ·64 | 2·17 | 1·26 | 1·11 | 2·03 | 2·19 | 1·20 | 2·77 | 2·40 | 2·00 | 1·66 | 21·05 |
| ,, .8 | Huddersfield (Oakes) ..... | 4·57 | 1·25 | 1·93 | 2·55 | 2·23 | 2·40 | 1·81 | 3·44 | 3·05 | 4·87 | 1·97 | 3·58 | 33·65 |
| ,, .8 | Wakefield (Clarence Park)..... | 1·92 | ·41 | 1·58 | 1·23 | 1·50 | 1·22 | 1·15 | 1·24 | 1·45 | 3·55 | 1·21 | 1·72 | 18·18 |
| ,, .9 | Bradford (Lister Park) ..... | 3·99 | ·74 | 2·05 | 1·71 | 1·66 | 1·73 | 1·36 | 3·80 | 2·78 | 4·25 | 1·51 | 3·00 | 28·58 |
| ,, ..10 | Ilkley (Spence's Garden) ..... | 5·06 | 1·01 | 2·02 | 2·06 | 2·51 | 2·13 | 1·65 | 4·81 | 3·40 | 3·71 | 1·55 | 3·01 | 32·92 |
| ,, 10 | Oughtershaw ..... | 6·45 | 1·54 | 5·75 | 3·86 | 2·87 | 3·81 | 2·82 | 7·74 | 6·31 | 6·97 | 3·87 | 5·72 | 57·71 |
| ,, 11 | Harrogate (Harlow Moor Obsy.) .. | 2·96 | ·45 | 2·14 | 1·30 | 1·53 | 1·87 | 1·46 | 3·09 | 3·52 | 3·32 | 1·57 | 1·97 | 25·18 |
| ,, 11 | Ramsgill (Raygill House) ..... | 5·48 | ·96 | 3·69 | 2·43 | 2·31 | 1·53 | 1·84 | 7·32 | 5·08 | 5·15 | 2·60 | 3·57 | 41·96 |
| Yorkshire, E.R. ..2 | Birdsall Gardens ..... | 2·27 | ·91 | 2·65 | 1·42 | 1·39 | 2·00 | 2·18 | 2·70 | 4·20 | 3·51 | 2·35 | 3·14 | 28·72 |
| ,, ..3 | Hull (Pearson Park) ..... | 1·53 | ·72 | 2·53 | 1·16 | 1·18 | 2·02 | 2·53 | 1·23 | 3·63 | 2·42 | 3·08 | 1·81 | 23·84 |
| ,, ..3 | Lowthorpe (The Elms) ..... | 2·10 | 1·12 | 2·13 | 1·26 | 1·89 | 2·04 | 1·94 | 2·15 | 4·09 | 2·78 | 4·18 | 2·68 | 28·36 |
| Yorkshire, N.R. ..1 | Leyburn (Bolton Hall) ..... | 2·90 | ·47 | 1·54 | 1·11 | 1·73 | 1·03 | 1·21 | 2·83 | 4·24 | 4·34 | 2·22 | 2·37 | 25·99 |
| ,, ..2 | Fel.xkirk (Mount St. John) ..... | 1·73 | ·67 | 1·90 | 1·47 | 1·61 | 2·09 | 1·71 | 2·25 | 4·23 | 4·14 | 1·71 | 1·57 | 25·08 |
| ,, ..3 | York (Museum) ..... | 1·58 | ·38 | 2·24 | 1·19 | 1·48 | 1·71 | 1·67 | 1·67 | 3·72 | 2·44 | 1·48 | 1·64 | 21·20 |
| ,, ..5 | Scarborough ..... | 2·72 | 1·00 | 1·70 | 1·01 | 1·28 | 1·28 | 2·24 | 1·81 | 5·33 | 2·14 | 4·09 | 2·58 | 27·18 |
| ,, ..6 | Kildale Hall ..... | 2·94 | 1·07 | 2·06 | 1·56 | 1·39 | 1·42 | 2·10 | 2·58 | 8·62 | 5·13 | 5·00 | 2·71 | 36·58 |

## Table 8c Monthly Rainfall—ENGLAND, WALES AND THE ISLANDS (*continued*)

| County and River Division | Station | Jan. | Feb. | Mar. | Apr. | May | Jun. | Jul. | Aug. | Sep. | Oct. | Nov. | Dec. | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. |
| Yorkshire, N.R. ..6 | Middlesbrough (Albert Park) .... | 1·62 | ·47 | 1·20 | 1·59 | 1·05 | 1·04 | 1·29 | 1·79 | 4·66 | 2·21 | 3·37 | 1·85 | 22·14 |
| ,, ..6 | Baldersdale (Hury Reservoir) ..... | 3·37 | ·81 | 1·61 | 1·60 | 2·05 | 1·49 | 1·33 | 3·73 | 3·60 | 3·65 | 2·34 | 2·92 | 28·50 |
| Durham .....1 | Darlington (South Park) ..... | 1·68 | ·51 | 1·22 | 1·75 | 1·13 | ·83 | ·83 | 2·15 | 3·43 | 2·42 | 2·28 | 1·68 | 19·91 |
| ,, .....1 | Barnard Castle (Bowes Museum) .. | 2·72 | ·42 | 1·41 | 1·09 | 1·91 | 1·15 | ·72 | 2·28 | 3·53 | 3·40 | 2·32 | 2·14 | 23·09 |
| ,, .....2 | Durham (Houghall Hort. Station) .. | 2·03 | ·43 | 1·37 | 1·66 | 1·13 | 1·28 | ·61 | 2·26 | 4·73 | 3·08 | 3·21 | 2·58 | 24·37 |
| ,, .....2 | Weardale W.W. (Waskerley) ..... | 5·63 | 1·60 | 1·69 | 2·01 | 2·01 | 1·54 | 1·60 | 4·12 | 5·07 | 5·53 | 3·75 | 3·12 | 37·67 |
| Northumberland .3 | Newcastle (Leazes Park) ..... | 1·54 | ·65 | 1·05 | ·94 | 1·58 | 1·71 | ·92 | 2·46 | 3·51 | 2·77 | 3·23 | 3·71 | 24·07 |
| ,, .4 | Bellingham (High Green) ..... | 3·20 | ·83 | 2·46 | 2·34 | 2·03 | 2·12 | 1·57 | 4·45 | 3·06 | 3·05 | 3·81 | 3·53 | 32·45 |
| ,, .5 | Morpeth (Cockle Park) ..... | 2·64 | ·69 | 2·12 | 1·06 | 1·91 | 1·38 | 2·94 | 3·31 | 3·75 | 3·55 | 3·21 | 2·75 | 29·31 |
| ,, .5 | Howick Hall Gardens ..... | 2·19 | 1·01 | 1·86 | 1·23 | 1·81 | 2·22 | 1·65 | 2·43 | 3·47 | 3·40 | 3·71 | 4·66 | 29·64 |
| ,, .6 | Ilderton (Lilburn Tower Gardens) . | 2·59 | ·50 | 1·57 | 1·74 | 1·76 | 1·62 | 1·24 | 4·52 | 4·31 | 3·63 | 4·32 | 4·40 | 32·20 |
| ,, .6 | Mindrum ..... | 1·82 | ·72 | 1·08 | 1·20 | 1·28 | 1·98 | 1·60 | 3·85 | 3·30 | 3·31 | 4·92 | 3·92 | 28·98 |
| Cumberland .....1 | Silloth Airfield ..... | 2·42 | ·53 | 1·26 | 2·23 | 3·65 | 3·03 | 2·03 | 4·10 | 2·12 | 3·18 | 2·04 | 3·33 | 29·92 |
| ,, .....1 | Geltsdale ..... | 3·77 | 1·43 | 1·26 | 2·49 | 1·58 | 3·23 | 3·38 | 3·83 | 3·88 | 2·85 | 3·42 | 3·51 | 34·63 |
| ,, .....2 | Borrowdale (Stockley Bridge) ..... | 14·75 | 5·25 | 9·00 | 9·00 | 8·25 | 9·00 | 8·50 | 21·00 | 11·00 | 5·00 | 11·25 | 11·25 | 123·25 |
| ,, .....2 | Keswick (High Hill) ..... | 5·79 | 1·23 | 2·38 | 3·18 | 3·28 | 2·99 | 3·99 | 8·55 | 6·01 | 5·67 | 3·21 | 5·10 | 51·38 |
| ,, .....3 | Ravenglass (The Grove) ..... | 2·94 | 1·14 | 2·45 | 3·19 | 2·62 | 3·13 | 2·63 | 4·59 | 3·05 | 4·77 | 1·68 | 4·58 | 36·77 |
| ,, .....3 | Ennerdale (Gillerthwaite) ..... | 9·30 | 5·10 | 8·10 | 6·80 | 5·90 | 6·00 | 5·70 | 7·60 | 7·50 | 7·80 | 4·80 | 7·50 | 82·10 |
| Westmorland ....1 | Patterdale Hall ..... | 8·87 | 1·68 | 5·50 | 6·31 | 5·05 | 4·91 | 4·14 | 9·98 | 10·08 | 10·52 | 4·77 | 6·76 | 78·57 |
| ,, ....3 | Kendal (Gas Works) ..... | 5·90 | 1·27 | 3·39 | 2·79 | 2·64 | 4·41 | 2·02 | 5·90 | 4·14 | 3·29 | 2·46 | 5·23 | 43·44 |
| Monmouthshire...3 | Newport W.W. (Nantypridd) ..... | 3·21 | ·77 | 3·17 | 2·96 | 4·75 | 2·10 | 3·18 | 6·74 | 3·91 | 6·00 | 4·33 | 2·59 | 43·71 |
| ,, ...3 | Abergavenny (Larchfield) ..... | 3·67 | ·60 | 2·06 | 3·00 | 4·34 | 2·12 | 1·36 | 6·35 | 3·28 | 6·27 | 3·87 | 2·81 | 39·73 |
| Glamorgan .....3 | Swansea (Victoria Park) ..... | 5·71 | ·91 | 4·45 | 3·55 | 3·48 | 2·81 | 1·68 | 6·24 | 2·33 | 4·27 | 4·27 | 4·73 | 44·43 |
| ,, .....3 | Ystalyfera (Wern House) ..... | 8·48 | 1·80 | 5·65 | 4·42 | 4·64 | 4·64 | 2·50 | 6·91 | 3·09 | 6·10 | 5·36 | 5·99 | 59·58 |
| ,, .....6 | Treherbert (Tyn-y-waun) ..... | 11·22 | 2·63 | 7·65 | 6·78 | 5·14 | 5·07 | 4·51 | 10·49 | 4·34 | 9·70 | 6·37 | 7·60 | 81·50 |
| ,, .....7 | Cardiff (Penylan)..... | 3·26 | ·86 | 2·66 | 3·32 | 3·81 | 2·29 | 2·87 | 6·02 | 4·53 | 5·71 | 4·00 | 3·34 | 42·67 |
| Carmarthenshire .2 | Llanddeusant (Pontcrynfe) ..... | 6·69 | 1·78 | 3·96 | 4·49 | 6·00 | 3·57 | 1·69 | 6·64 | 2·78 | 5·08 | 4·46 | 4·17 | 51·31 |
| ,, .2 | Abergorlech ..... | 8·42 | 2·20 | 5·03 | 4·85 | 5·97 | 3·95 | 2·10 | 8·67 | 3·85 | 6·36 | 5·06 | 5·19 | 61·65 |
| Pembrokeshire ...4 | Tenby (The Priory) ..... | 4·29 | ·59 | 2·72 | 4·11 | 4·85 | 3·42 | 1·52 | 4·95 | 2·45 | 4·18 | 3·86 | 4·40 | 41·34 |
| ,, ...4 | Haverfordwest (Hospital Grounds) . | 5·17 | ·96 | 3·38 | 5·32 | 4·16 | 3·86 | 1·57 | 5·89 | 3·00 | 4·99 | 3·58 | 4·91 | 46·79 |
| Cardiganshire ....2 | Aberystwyth (Plant Breeding Stn.).. | 3·07 | 2·07 | 2·15 | 2·55 | 4·16 | 2·90 | 1·95 | 3·71 | 2·95 | 4·31 | 3·31 | 4·28 | 37·41 |
| ,, ....2 | Plynlimon (Llygad Rheidol) ..... | 8·50 | 5·40 | 5·30 | 4·30 | 3·69 | 6·80 | 3·80 | 5·20 | 7·40 | 8·70 | 7·20 | 9·40 | 75·69 |
| ,, ....3 | Cardigan (Plas Llangoedmore) .... | 4·56 | 1·59 | 1·87 | 3·50 | 4·54 | 2·90 | 2·01 | 4·51 | 4·27 | 5·04 | 3·84 | 3·93 | 42·56 |
| Brecknockshire ...7 | Swansea W.W. (Cray Reservoir) ... | 7·18 | 1·95 | 6·07 | 5·57 | 6·17 | 5·14 | 2·63 | 9·00 | 4·73 | 7·65 | 5·53 | 6·21 | 67·83 |
| Radnorshire .....1 | Birmingham W.W. (Tyrmynydd) .. | 9·16 | 3·11 | 3·04 | 3·29 | 3·88 | 3·92 | 1·93 | 5·70 | 4·48 | 6·87 | 4·73 | 6·34 | 56·45 |
| Montgomeryshire .3 | Corris (Ceinws Camp) ..... | 10·33 | 4·37 | 7·17 | 3·37 | 2·79 | 5·88 | 2·15 | 6·53 | 5·83 | 10·75 | 6·36 | 8·87 | 74·40 |
| ,, ..4 | Newtown (Penarth Weir) ..... | 5·48 | 1·51 | 1·06 | 1·61 | 2·82 | 2·82 | 1·06 | 4·26 | 2·17 | 5·09 | 4·05 | 4·17 | 36·10 |
| ,, ..5 | Welshpool (County School) ..... | 3·33 | ·77 | 1·29 | 1·13 | 1·94 | 2·00 | 1·16 | 3·69 | 2·39 | 4·11 | 2·66 | 2·65 | 27·12 |

## Table 8c Monthly Rainfall—ENGLAND, WALES AND THE ISLANDS (*continued*)

| County and River Division | Station | Jan. | Feb. | Mar. | Apr. | May | Jun. | Jul. | Aug. | Sep. | Oct. | Nov. | Dec. | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. |
| Montgomeryshire .5 | Lake Vyrnwy (Experimental Station) | 9·65 | 1·65 | 3·40 | 3·36 | 3·58 | 2·79 | 2·78 | 5·47 | 4·10 | 10·63 | 4·25 | 6·09 | 57·75 |
| Flintshire .....1 | Hawarden Airfield ..... | 3·11 | 1·21 | ·93 | 1·60 | 1·93 | 1·44 | 1·72 | 1·41 | 3·67 | 4·10 | 1·84 | 3·71 | 26·67 |
| ,, .....2 | Bodfari (Nantlys) ..... | 2·70 | ·86 | ·47 | 1·30 | 2·24 | 1·56 | 1·08 | 1·56 | 3·67 | 4·52 | 2·67 | 3·51 | 26·14 |
| Denbighshire ....1 | Wrexham W.W. (Pack Saddle Res.) | 5·31 | 1·19 | ·68 | 2·01 | 2·78 | 1·63 | 2·13 | 2·59 | 3·17 | 6·86 | 2·74 | 4·53 | 35·62 |
| Merionethshire ...1 | Bala (Boys' Grammar School) ..... | 8·03 | 1·15 | 2·29 | 2·46 | 2·91 | 2·44 | 1·68 | 3·79 | 4·73 | 7·28 | 3·06 | 6·83 | 46·65 |
| ,, ...3 | Blaenau Festiniog (Oakeley Quarry). | 12·37 | 3·87 | 12·21 | 4·42 | 3·53 | 9·38 | 3·35 | 7·75 | 8·89 | 8·25 | 7·46 | 11·28 | 92·76 |
| ,, ...4 | Dolgelley (Borthwnog) ..... | 7·14 | 4·42 | 3·42 | 2·85 | 3·34 | 4·36 | 3·12 | 4·62 | 3·95 | 7·87 | 5·12 | 6·34 | 56·55 |
| ,, ...5 | Aberdovey (Plâs Penhelig)..... | 3·78 | 2·06 | 2·72 | 2·57 | 3·33 | 3·62 | 1·88 | 4·01 | 2·56 | 5·80 | 4·21 | 4·98 | 41·52 |
| Caernarvonshire ..2 | Llandudno (Cricket Ground) ..... | 3·40 | 1·61 | ·86 | 1·44 | 1·81 | 1·43 | 1·62 | 2·75 | 3·86 | 3·89 | 2·47 | 3·21 | 28·35 |
| ,, ..4 | Pwllheli (West End) ..... | 4·40 | 1·31 | 1·87 | 2·28 | 1·97 | 2·59 | 1·28 | 3·76 | 1·72 | 3·18 | 3·53 | 4·07 | 31·96 |
| ,, ..5 | Snowdon (Cwm Dyli) ..... | 15·81 | 6·68 | 12·66 | 7·89 | 4·17 | 11·05 | 3·65 | 10·82 | 12·82 | 14·52 | 9·80 | 14·19 | 124·06 |
| Anglesey ..... | Holyhead (Valley Airfield) ..... | 3·53 | ·87 | 2·08 | 2·00 | 2·43 | 1·83 | 1·13 | 3·43 | 3·18 | 3·91 | 2·68 | 3·54 | 30·61 |
| ,, ... | Llanerchymedd (Llwydiarth Esgob). | 4·39 | 1·97 | 2·25 | 2·24 | 2·32 | 2·53 | 1·29 | 4·04 | 4·49 | 4·37 | 3·77 | 3·92 | 37·58 |
| Isle of Man ..... | Douglas (Borough Cemetery) ..... | 3·80 | ·95 | 2·85 | 1·43 | 2·71 | 2·55 | 1·41 | 5·16 | 4·28 | 4·86 | 3·60 | 5·57 | 39·17 |
| ,, ..... | Point of Ayre..... | 2·71 | ·75 | 1·42 | 1·04 | 2·50 | 1·33 | 1·56 | 6·41 | 3·79 | 5·13 | 2·00 | 3·80 | 32·44 |
| **SCOTLAND** | | | | | | | | | | | | | | |
| Wigtownshire.....1 | Castle Kennedy (Lochinch) ..... | 4·18 | ·80 | 2·78 | 1·55 | 2·56 | 3·00 | 2·49 | 5·21 | 3·34 | 4·25 | 3·09 | 4·83 | 38·08 |
| ,, ....3 | Port William (Monreith)..... | 3·49 | ·56 | 2·27 | 1·45 | 1·95 | 2·20 | 2·20 | 4·53 | 2·83 | 4·18 | 2·93 | 3·80 | 32·39 |
| ,, ....4 | Newton Stewart (Little Barraer) ... | 4·49 | 1·03 | 2·96 | 1·73 | 2·24 | 3·14 | 2·21 | 3·34 | 2·86 | 4·24 | 2·94 | 4·40 | 35·58 |
| Kirkcudbrightshire 3 | Mossdale (Hensol) ..... | 6·46 | ·95 | 3·86 | 2·60 | 2·93 | 2·79 | 2·96 | 5·21 | 2·34 | 5·99 | 2·81 | 5·08 | 43·98 |
| ,, ....5 | Lochrutton (Dumfries Waterworks) | 4·26 | ·87 | 2·98 | 3·20 | 3·43 | 3·20 | 3·29 | 3·98 | 1·84 | 6·02 | 2·74 | 4·13 | 39·94 |
| Dumfriesshire ....2 | Dumfries (Crichton Royal Institute) | 3·90 | ·57 | 2·52 | 2·73 | 3·43 | 2·80 | 2·65 | 3·93 | 1·62 | 5·40 | 2·13 | 3·61 | 35·29 |
| ,, .....5 | Canonbie (Irvine House) ..... | 3·87 | 1·08 | 3·61 | 3·44 | 1·78 | 3·63 | 2·56 | 4·91 | 2·61 | 4·24 | 3·32 | 4·93 | 39·98 |
| ,, .....5 | Eskdalemuir Observatory ..... | 7·61 | 1·23 | 3·91 | 3·67 | 2·81 | 4·35 | 3·63 | 4·49 | 2·35 | 5·07 | 3·96 | 5·24 | 48·32 |
| Roxburghshire....3 | Crailing..... | 2·19 | ·56 | ·99 | 1·71 | 1·42 | 1·91 | 1·27 | 3·21 | 2·25 | 2·90 | 3·51 | 3·77 | 25·69 |
| Selkirkshire .....2 | Ettrick Manse ..... | 7·10 | 1·33 | 3·62 | 3·36 | 2·80 | 2·88 | 3·46 | 4·05 | 2·53 | 6·66 | 4·66 | 4·54 | 46·99 |
| Peeblesshire .....1 | Edinburgh W.W. (Victoria Lodge) . | 5·03 | 1·41 | 2·70 | 3·58 | 2·55 | 3·16 | 2·80 | 4·03 | 2·67 | 6·24 | 4·34 | 4·58 | 43·09 |
| ,, .....2 | Stobo Castle ..... | 4·56 | 1·05 | 1·34 | 1·83 | 2·14 | 2·65 | 2·36 | 4·24 | 2·18 | 3·91 | 2·95 | 4·16 | 33·37 |
| Berwickshire .....4 | Marchmont House ..... | 1·86 | ·64 | 1·58 | 1·65 | 2·02 | 2·65 | 1·42 | 3·54 | 2·43 | 3·47 | 3·41 | 4·28 | 28·95 |
| East Lothian .....5 | North Berwick Reservoir..... | ·88 | ·57 | 1·33 | 1·35 | 1·95 | 2·16 | 1·96 | 2·18 | 1·95 | 1·30 | 2·32 | 1·90 | 19·85 |
| Midlothian .....4 | Moorfoot Hills (Rosebery) ..... | 3·48 | ·72 | 1·65 | 1·80 | 1·78 | 2·50 | 2·03 | 2·99 | 2·79 | 2·49 | 3·41 | 4·07 | 29·71 |
| ,, .....5 | Pentland Hills (Morton) ..... | 3·83 | ·72 | 1·75 | 1·94 | 1·73 | 3·06 | 2·88 | 3·55 | 2·56 | 2·64 | 3·32 | 3·65 | 31·63 |
| ,, .....5 | Edinburgh (Blackford Hill) ..... | 2·45 | ·47 | ·95 | 1·50 | 1·70 | 2·43 | 2·23 | 4·53 | 1·88 | 1·46 | 2·07 | 2·74 | 24·41 |
| Lanarkshire .....4 | Gartcosh (Gartloch Hospital) ..... | 4·25 | 1·52 | 2·03 | 2·00 | 1·87 | 2·62 | 2·50 | 3·31 | 2·75 | 3·22 | 2·17 | 3·27 | 31·51 |
| ,, .....5 | Strathaven (Kype Reservoir)..... | 5·41 | 1·41 | 2·46 | 3·57 | 2·48 | 3·63 | 4·16 | 4·46 | 3·40 | 4·11 | 2·97 | 4·54 | 42·60 |

## Table 8c Monthly Rainfall—SCOTLAND (*continued*)

| County and River Division | Station | Jan. | Feb. | Mar. | Apr. | May | Jun. | Jul. | Aug. | Sep. | Oct. | Nov. | Dec. | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. |
| Lanarkshire .....5 | Hamilton W.W. (Townhill) ..... | 3·60 | 1·14 | 2·15 | 2·56 | 1·79 | 2·46 | 2·46 | 3·56 | 2·36 | 2·04 | 2·15 | 3·12 | 29·39 |
| Ayrshire .....3 | Kilmarnock (Springhill House) ..... | 4·33 | 1·86 | 2·23 | 1·62 | 1·50 | 2·91 | 3·77 | 4·41 | 3·08 | 3·29 | 2·80 | 4·30 | 36·10 |
| ,, .....5 | Maybole (Otterden) ..... | 6·07 | 1·95 | 1·41 | 1·55 | 1·52 | 3·10 | 3·51 | 6·38 | 2·92 | 3·97 | 2·80 | 4·35 | 39·53 |
| ,, .....8 | Colmonell (Knockdolian) ..... | 5·04 | 1·18 | 2·15 | 1·67 | 1·85 | 2·44 | 2·76 | 5·68 | 2·83 | 4·57 | 2·54 | 3·66 | 36·37 |
| ,, .....13 | Glen Afton (Ayr Sanatorium) ..... | 8·08 | 2·19 | 3·23 | 3·00 | 2·83 | 3·24 | 4·84 | 3·89 | 2·93 | 6·25 | 3·66 | 5·27 | 49·41 |
| Renfrewshire .....2 | Glasgow (Queen's Park) ..... | 4·43 | 1·33 | 2·32 | 1·96 | 1·71 | 2·80 | 2·22 | 3·04 | 3·11 | 3·81 | 1·99 | 3·48 | 32·20 |
| ,, .....3 | Greenock (Prospect Hill) ..... | 7·75 | 2·61 | 4·61 | 3·01 | 1·98 | 4·21 | 2·87 | 5·93 | 4·43 | 6·64 | 2·16 | 7·59 | 53·79 |
| Stirlingshire .....1 | Falkirk (Arnotdale)..... | 3·62 | ·98 | 2·48 | 1·21 | 1·63 | 2·73 | 3·31 | 4·19 | 2·24 | 2·47 | 2·23 | 2·87 | 29·96 |
| Buteshire .....1 | Rothesay (Ardencraig) ..... | 5·66 | 2·21 | 4·10 | 2·26 | 1·97 | 3·72 | 3·76 | 6·56 | 3·39 | 5·50 | 2·61 | 7·18 | 48·92 |
| ,, .....3 | Dougarie Lodge ..... | 5·99 | 1·69 | 3·46 | 1·89 | 1·59 | 3·62 | 3·24 | 5·16 | 3·69 | 5·44 | 3·26 | 6·85 | 45·88 |
| Argyllshire .....2 | Morvern (Drimnin) ..... | 6·02 | 3·26 | 6·71 | 2·75 | 2·06 | 4·39 | 4·94 | 6·42 | 5·00 | 7·14 | 2·72 | 7·24 | 58·65 |
| ,, .....3 | Morvern (Kingairloch)..... | 10·64 | 4·74 | 9·66 | 5·80 | 2·18 | 6·59 | 5·60 | 5·92 | 8·46 | 11·81 | 4·18 | 12·09 | 87·67 |
| ,, .....4 | Glenleven (Kinlochleven) ..... | 7·05 | 4·16 | 6·64 | 4·63 | 2·84 | 5·50 | 4·31 | 5·94 | 6·97 | 12·60 | 3·62 | 9·50 | 73·76 |
| ,, .....7 | Oban ..... | 5·41 | 2·89 | 4·74 | 3·72 | 1·65 | 4·36 | 3·88 | 6·11 | 4·38 | 6·36 | 2·60 | 7·67 | 53·77 |
| ,, .....8 | Lochgilphead (Poltalloch) ..... | 7·60 | 2·54 | 4·04 | 1·85 | 1·51 | 3·71 | 4·67 | 5·79 | 5·27 | 6·80 | 2·54 | 6·43 | 52·75 |
| ,, .....9 | West Loch Tarbert (Dunmore)..... | 6·47 | 2·68 | 2·91 | 1·86 | 1·54 | 3·82 | 4·62 | 5·18 | 3·58 | 6·07 | 3·04 | 5·47 | 47·24 |
| ,, .....10 | Monybacach (Skipness) ..... | 6·84 | 3·39 | 3·24 | 2·24 | 2·23 | 4·16 | 4·55 | 5·44 | 4·68 | 5·95 | 3·05 | 6·20 | 51·97 |
| ,, .....11 | Ardrishaig (Canal Office)..... | 8·32 | 3·83 | 4·49 | 2·74 | 2·08 | 4·55 | 6·04 | 6·45 | 5·43 | 7·45 | 3·31 | 8·35 | 63·04 |
| ,, .....11 | Inveraray Castle Gardens ..... | 8·83 | 3·96 | 6·82 | 3·47 | 1·75 | 5·47 | 4·25 | 7·28 | 5·96 | 8·43 | 3·50 | 9·60 | 69·32 |
| ,, .....12 | Loch Eck (Ben More) ..... | 10·28 | 4·46 | 8·54 | 3·68 | 2·80 | 5·15 | 5·32 | 9·36 | 5·93 | 10·25 | 4·34 | 11·01 | 81·12 |
| ,, .....14 | Islay (Eallabus) ..... | 7·44 | 2·28 | 3·62 | 1·83 | 1·88 | 4·42 | 3·35 | 5·29 | 3·78 | 4·55 | 2·69 | 5·83 | 46·96 |
| ,, .....14 | Colonsay ..... | 5·89 | (2·30) | 3·48 | 2·07 | 1·55 | 3·68 | 4·34 | 5·35 | 4·41 | 5·06 | 2·80 | 5·95 | 46·88 |
| ,, .....14 | Seil (An Cala) ..... | 5·53 | 3·09 | 5·14 | 2·97 | 1·38 | 5·18 | 3·51 | 5·13 | 4·38 | 5·54 | 2·61 | 7·29 | 51·75 |
| ,, .....14 | Mull (Gruline) ..... | 8·11 | 3·54 | 8·01 | 4·43 | 2·48 | 5·91 | 5·56 | 6·47 | 6·84 | 8·90 | 3·43 | 10·00 | 73·68 |
| ,, .....14 | Tiree Airport ..... | 5·27 | 1·95 | 4·71 | 2·03 | 1·39 | 3·48 | 2·81 | 3·53 | 3·45 | 4·56 | 2·06 | 5·18 | 40·42 |
| Kinross-shire ....2 | Loch Leven Sluice..... | 3·00 | ·59 | 3·58 | 1·65 | 1·57 | 2·76 | 2·12 | 3·99 | 2·46 | 2·86 | 2·11 | 2·96 | 29·65 |
| Fifeshire .....3 | Leuchars Airfield ..... | ·94 | ·53 | 1·78 | ·87 | 1·90 | 2·24 | 1·62 | 3·49 | ·77 | 2·60 | 1·99 | 1·79 | 20·52 |
| Perthshire .....1 | Loch Dhu..... | 7·35 | 2·25 | 8·75 | 3·91 | 2·25 | 4·93 | 2·95 | 5·19 | 4·55 | 7·96 | 2·82 | 7·68 | 60·59 |
| ,, .....3 | Glengyle ..... | 6·30 | 3·02 | 9·52 | 4·28 | 2·19 | 7·56 | 4·06 | 6·93 | 4·69 | 9·48 | 3·13 | 8·39 | 69·55 |
| ,, .....4 | Glendevon (Frandy) ..... | 2·85 | 1·06 | 5·78 | 3·16 | 1·83 | 5·01 | 3·03 | 6·58 | 4·52 | 5·62 | 2·50 | 5·25 | 47·19 |
| ,, .....7 | Lochearnhead (Ardloch) ..... | 5·02 | 1·51 | 5·22 | 3·35 | 3·66 | 4·25 | 2·37 | 4·86 | 3·46 | 7·21 | 2·54 | 5·78 | 49·23 |
| ,, .....7 | Crieff (Strathearn Hydro) ..... | 2·75 | ·83 | 3·63 | 1·70 | 2·21 | 2·61 | 2·24 | 4·71 | 1·37 | 3·88 | 2·02 | 2·85 | 30·80 |
| ,, .....11 | Aberfeldy (Tigh'n Eilean) ..... | 3·58 | ·70 | 2·62 | 1·54 | 2·71 | 2·03 | 1·07 | 3·17 | 1·38 | 4·92 | 2·06 | 2·69 | 28·47 |
| ,, .....12 | Tyndrum Manse ..... | 7·53 | 5·09 | 8·10 | 5·20 | 2·72 | 6·35 | 5·89 | 6·94 | 6·86 | 10·82 | 3·98 | 10·04 | 79·52 |
| ,, .....14 | Loch Rannoch (Station) ..... | 5·72 | 4·39 | 4·28 | 3·35 | 3·67 | 4·66 | 3·74 | 5·59 | 5·26 | 9·30 | 3·32 | 3·99 | 57·27 |
| ,, .....14 | Fincastle House ..... | 3·35 | 1·11 | 2·35 | 1·43 | 3·29 | 2·20 | 1·97 | 3·34 | 1·12 | 4·34 | 1·97 | 2·23 | 28·70 |
| ,, .....15 | Kirkmichael (Ballintuim House) ... | 2·29 | 1·07 | 3·79 | 1·76 | 4·13 | 1·79 | 1·63 | 2·87 | ·57 | 4·97 | 2·23 | 2·34 | 29·44 |
| Angus .....2 | Dundee (Clatto Reservoir) ..... | 1·88 | ·57 | 2·34 | 1·07 | 2·26 | 2·54 | 1·92 | 3·09 | 1·19 | 2·14 | 1·90 | 2·09 | 22·99 |

## Table 8c Monthly Rainfall—SCOTLAND (*continued*)

| County and River Division | Station | Jan. | Feb. | Mar. | Apr. | May | Jun. | Jul. | Aug. | Sep. | Oct. | Nov. | Dec. | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. |
| Angus .....3 | Arbroath (Springfield Park) ..... | ·92 | ·45 | 2·41 | 1·17 | 2·24 | 2·14 | 2·01 | 2·29 | ·96 | 1·55 | 1·64 | 2·02 | 19·80 |
| ,, .....3 | Forfar W.W. (Den of Ogil) ..... | 2·35 | ·70 | 5·41 | 1·28 | 3·34 | 2·70 | 2·67 | 4·32 | 1·19 | 4·11 | 2·63 | 2·78 | 33·48 |
| ,, .....4 | Montrose (Sunnyside Asylum) ..... | 1·34 | ·79 | 3·33 | ·89 | 2·90 | 2·08 | 2·22 | 2·25 | ·89 | 2·09 | 2·04 | 2·09 | 22·91 |
| Kincardineshire ..3 | Strachan (Bridge of Dye)..... | 1·34 | 1·20 | 5·97 | 1·67 | 3·06 | 3·17 | 1·85 | 4·43 | 1·15 | 5·33 | 3·53 | 4·34 | 37·04 |
| Aberdeenshire ....1 | Braemar (Bank)..... | 2·73 | 1·24 | 1·93 | 1·63 | 2·99 | 1·86 | ·96 | 3·17 | 1·73 | 5·34 | 3·06 | 4·11 | 30·75 |
| ,, ..1 | Logie Coldstone School..... | 1·81 | 1·32 | 2·42 | 1·18 | 2·34 | 2·74 | 1·94 | 3·61 | 2·46 | 3·26 | 3·48 | 4·15 | 30·71 |
| ,, ..2 | Dyce (Craibstone) ..... | 2·66 | 1·39 | 3·86 | 1·51 | 2·52 | 3·04 | 2·20 | 4·69 | 2·05 | 2·67 | 3·55 | 2·87 | 33·01 |
| ,, ..3 | Haddo House ..... | 2·96 | 1·83 | 2·81 | 2·00 | 2·32 | 2·82 | 2·15 | 3·44 | 3·47 | 2·45 | 4·29 | 2·96 | 33·50 |
| ,, ..4 | New Deer (School House)..... | 3·67 | 2·34 | 2·66 | 1·38 | 2·00 | 2·79 | 1·91 | 4·16 | 4·22 | 2·67 | 4·29 | 3·27 | 35·36 |
| ,, ..4 | Peterhead (Forehill Works) ..... | 3·58 | 1·93 | 2·55 | 1·67 | 1·92 | 2·57 | 1·62 | 2·37 | 3·24 | 1·74 | 2·73 | 2·82 | 28·74 |
| Banffshire .....2 | Turriff (Forglen Gardens) ..... | 3·17 | 2·21 | 2·43 | 2·32 | 1·50 | 2·90 | 1·66 | 3·01 | 4·32 | 2·31 | 4·09 | 4·39 | 34·31 |
| ,, .....3 | Glenlivet (Clashnoir) ..... | 2·41 | ·98 | 1·98 | 1·68 | 2·40 | 2·88 | 3·08 | 3·77 | 3·38 | 4·36 | 4·17 | 3·18 | 34·27 |
| ,, .....3 | Ballindalloch ..... | 3·60 | 2·57 | 2·14 | 1·69 | 1·95 | 2·40 | 1·76 | 3·36 | 3·84 | 3·32 | 4·28 | 5·25 | 36·16 |
| Morayshire.....2 | Fochabers (Gordon Castle) ..... | 2·93 | 1·50 | 1·84 | 1·36 | 1·63 | 2·31 | 2·37 | 4·15 | 3·93 | 2·28 | 4·09 | 2·30 | 30·69 |
| Nairnshire .....2 | Nairn (Achareidh) ..... | 1·73 | 1·06 | 1·38 | ·67 | 1·37 | 1·64 | 1·74 | 3·55 | 1·50 | 1·58 | 2·55 | 2·01 | 20·78 |
| Inverness-shire ...2 | Dalwhinnie..... | 2·78 | 1·55 | 3·11 | 2·72 | 3·37 | 2·86 | 2·09 | 2·65 | 3·59 | 8·55 | 2·90 | 3·96 | 40·13 |
| ,, ...2 | Glenshero ..... | 5·07 | 3·26 | 2·34 | 2·12 | 2·20 | 2·93 | 2·42 | 4·31 | 3·61 | 5·81 | 3·38 | 5·54 | 42·99 |
| ,, ...6 | Fort Augustus (Auchterawe)..... | 6·23 | 2·65 | 3·48 | 2·00 | 1·77 | 2·46 | 3·25 | 5·47 | 4·35 | 5·97 | 3·53 | 5·69 | 46·85 |
| ,, ...6 | Loch Ness (Garthbeg) ..... | 4·67 | 1·81 | 1·78 | 1·29 | 2·99 | 2·85 | 2·38 | 5·46 | 3·96 | 4·76 | 3·27 | 4·25 | 39·47 |
| ,, ...6 | Inverness (Culduthel Reservoir) ... | 1·96 | 1·15 | 2·02 | ·74 | 1·50 | 2·29 | 1·19 | 4·41 | 2·59 | 2·75 | 2·78 | 2·32 | 25·70 |
| ,, ...7 | Loch Quoich (Glenquoich) ..... | 11·54 | 7·32 | 9·00 | 5·34 | 4·43 | 7·02 | 6·32 | 8·57 | 11·87 | 15·30 | 8·28 | 12·24 | 107·23 |
| ,, ..12 | Loch Nevis (Inverie Gardens)..... | 8·36 | 5·75 | 6·46 | 4·93 | 4·43 | 6·01 | 7·08 | 8·37 | 8·26 | 7·53 | 4·37 | 9·72 | 81·27 |
| ,, ..13 | Arisaig House ..... | 5·85 | 3·94 | 4·48 | 2·72 | 3·66 | 6·52 | 5·88 | 6·46 | 5·45 | 6·47 | 3·37 | 7·44 | 62·24 |
| ,, ..17 | Onich ..... | 8·29 | 5·09 | 7·05 | 4·45 | 3·06 | 5·60 | 5·06 | 6·72 | 6·60 | 8·85 | 3·53 | 10·16 | 74·46 |
| ,, ..17 | Fort William (Teviot)..... | 7·79 | 3·76 | 5·86 | 4·39 | 2·48 | 5·20 | 3·52 | 5·92 | 6·37 | 8·77 | 4·27 | 8·58 | 66·91 |
| ,, ..18 | Isle of Eigg..... | 5·65 | 3·40 | 5·06 | 3·04 | 2·39 | 4·66 | 3·58 | 4·37 | 4·89 | 5·69 | 2·73 | 7·73 | 53·19 |
| ,, ..18 | Skye (Broadford) ..... | 7·54 | 4·40 | 6·68 | 4·61 | 3·63 | 6·71 | 3·01 | 6·06 | 7·08 | 7·93 | 5·60 | 7·83 | 71·08 |
| ,, ..18 | Skye (Grula) ..... | 9·67 | 5·22 | 9·18 | 3·60 | 3·75 | 6·41 | 6·18 | 7·16 | 6·41 | 9·35 | 4·10 | 11·94 | 82·97 |
| ,, ..18 | Skye (Duntulm, Kilmuir) ..... | 5·63 | 2·60 | 4·37 | 2·97 | 2·47 | 4·23 | 3·00 | 5·03 | 5·82 | 6·43 | 4·40 | 6·62 | 53·57 |
| ,, ..19 | Benbecula Airport ..... | 7·15 | 2·61 | 3·80 | 2·73 | 1·86 | 4·21 | 2·67 | 3·94 | 4·12 | 5·76 | 3·85 | 6·07 | 48·77 |
| ,, ..19 | Harris (Kyles Lodge) ..... | 9·07 | 3·66 | 6·01 | 3·17 | 3·08 | 4·93 | 3·04 | 4·24 | 4·78 | 7·29 | 5·10 | 7·83 | 62·20 |
| Ross and Cromarty4 | Muir of Ord (Fairburn) ..... | 3·74 | 2·16 | 2·18 | 1·52 | 1·61 | 2·03 | 1·57 | 4·41 | 2·91 | 4·57 | 2·91 | 3·92 | 33·53 |
| ,, 5 | Tain (Tarlogie House) ..... | 2·17 | 1·64 | 2·03 | ·63 | 1·28 | 1·16 | 1·89 | 4·27 | 1·32 | 2·13 | 2·81 | 2·18 | 23·51 |
| ,, 7 | Inverbroom (Glackour) ..... | 9·77 | 5·67 | 3·13 | 2·16 | 3·79 | 4·50 | 3·68 | 4·07 | 6·30 | 8·81 | 6·74 | 8·71 | 67·33 |
| ,, 8 | Loch Torridon (Torridon House) .. | 6·44 | 5·83 | 3·89 | 3·58 | 5·11 | 5·09 | 5·44 | 5·01 | 8·32 | 8·53 | 6·74 | 10·28 | 74·26 |
| ,, 8 | Inverasdale (Midtown)..... | 7·67 | 5·01 | 4·60 | 4·03 | 3·14 | 4·72 | 4·02 | 6·10 | 7·23 | 6·49 | 5·70 | 7·69 | 66·40 |
| ,, 9 | Glenshiel (Kyle)..... | 14·90 | 10·00 | 10·16 | 7·81 | 6·13 | 10·80 | 7·12 | 13·27 | 16·45 | 17·13 | 10·37 | 9·97 | 134·11 |
| ,, 9 | Applecross ..... | 8·03 | 4·26 | 4·00 | 3·99 | 3·73 | 3·86 | 2·93 | 4·06 | 5·04 | 6·06 | 3·56 | 5·74 | 55·26 |

## Table 8c Monthly Rainfall—SCOTLAND (*concluded*)

| County and River Division | Station | Jan. | Feb. | Mar. | Apr. | May | Jun. | Jul. | Aug. | Sep. | Oct. | Nov. | Dec. | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. | in. |
| Ross and Cromarty .....9 | Achnashellach ..... | 8·67 | 7·44 | 5·06 | 4·13 | 3·68 | 5·28 | 5·71 | 8·16 | 9·34 | 9·88 | 7·93 | 9·39 | 84·67 |
| ,, .....10 | Stornoway Airport ..... | 5·50 | 3·20 | 4·08 | 1·85 | 2·17 | 2·71 | 2·85 | 3·48 | 4·02 | 5·17 | 3·68 | 5·95 | 44·66 |
| Sutherland .....1 | Glenrossal ..... | 4·76 | 3·70 | 3·00 | 1·24 | 2·55 | 2·90 | 2·47 | 2·84 | 2·97 | 3·54 | 4·50 | 5·47 | 39·94 |
| ,, .....1 | Loch Shin (Corrykinloch) ..... | 10·75 | 7·94 | 6·26 | 2·29 | 6·15 | 5·74 | 3·44 | 6·55 | 8·90 | 9·02 | 8·43 | 9·28 | 84·75 |
| ,, .....4 | Tongue ..... | 5·97 | 3·44 | 3·42 | ·73 | 2·48 | 2·88 | 1·87 | 4·10 | 3·96 | 3·88 | 5·85 | 4·20 | 42·78 |
| ,, .....4 | Melvich Hotel ..... | 4·88 | 2·56 | 2·64 | ·79 | 2·01 | 2·12 | 2·71 | 3·12 | 3·74 | 3·42 | 5·62 | 3·58 | 37·19 |
| ,, .....4 | Cape Wrath ..... | 5·52 | 3·22 | 5·33 | 1·02 | 2·72 | 3·94 | 2·96 | 6·54 | 4·16 | 3·43 | 5·92 | 4·85 | 49·61 |
| ,, .....6 | Lochinver (Bank House) ..... | 6·05 | 4·25 | 3·82 | 1·79 | 3·10 | 3·72 | 3·70 | 4·78 | 6·14 | 4·24 | 6·90 | 5·75 | 54·24 |
| Caithness .....2 | Wick Airport ..... | 3·67 | 2·43 | 2·80 | ·49 | 1·81 | 2·92 | 1·60 | 3·48 | 2·45 | 3·49 | 3·57 | 3·62 | 32·33 |
| ,, .....3 | Thurso (Holburn Head)..... | 4·23 | 2·86 | 2·41 | ·64 | 2·14 | 2·30 | 1·91 | 2·70 | 3·66 | 2·72 | 4·24 | 3·22 | 33·03 |
| Orkney ..... | Stenness ..... | 3·90 | 2·54 | 3·76 | ·94 | 2·26 | 2·68 | 1·60 | 6·45 | 3·75 | 4·64 | 3·59 | 3·89 | 40·00 |
| ,, ..... | North Ronaldshay ..... | 5·18 | 2·63 | 4·34 | ·69 | 2·09 | 2·60 | ·67 | (4·23) | (3·36) | (3·19) | (3·79) | 3·30 | 36·07 |
| Shetland ..... | Lerwick Observatory ..... | 4·64 | 2·05 | 6·15 | 1·78 | 3·83 | 3·66 | 1·82 | 5·36 | 4·03 | 3·75 | 2·88 | 5·79 | 45·74 |
| | **NORTHERN IRELAND** | | | | | | | | | | | | | |
| Fermanagh .....1 | Newtownbutler (Crom Castle) ..... | 4·35 | 1·08 | 2·24 | 1·30 | 2·18 | 2·93 | 1·92 | 4·09 | 1·50 | 3·95 | 1·70 | 3·42 | 30·66 |
| ,, .....1 | Belleek (Roscor) ..... | 6·74 | 2·68 | 2·65 | 1·81 | 3·29 | 3·49 | 2·77 | 4·87 | 2·73 | 4·41 | 2·59 | 5·20 | 43·23 |
| Armagh .....4 | Markethill (Whitecross) ..... | 5·35 | 1·10 | 1·96 | 1·17 | 1·30 | 4·01 | 2·67 | 4·54 | 1·41 | 5·01 | 3·29 | 5·35 | 37·16 |
| ,, .....5 | Armagh Observatory..... | 4·60 | ·78 | 1·42 | 1·58 | 1·11 | 2·27 | 1·70 | 3·86 | 1·23 | 3·87 | 2·47 | 3·47 | 28·36 |
| Down .....1 | Newry (Bridge Street House) ..... | 5·20 | ·56 | 1·90 | 1·72 | 1·23 | 2·07 | 1·38 | 4·45 | 2·03 | 5·66 | 2·70 | 4·05 | 32·95 |
| ,, .....2 | Silent Valley (Belfast Waterworks) . | 4·62 | ·61 | 3·69 | 2·07 | 1·30 | 3·44 | 1·40 | 3·98 | 2·83 | 8·14 | 4·40 | 5·02 | 41·51 |
| ,, .....2 | Seaforde ..... | 3·24 | ·54 | 1·41 | 1·88 | 1·90 | 2·22 | 1·51 | 4·93 | 1·73 | 6·13 | 2·86 | 3·58 | 31·93 |
| ,, .....4 | Donaghadee (Orlock Reservoir) ... | 3·25 | ·47 | 1·07 | 1·67 | 1·04 | 1·96 | 1·67 | 5·09 | 1·46 | 3·16 | 2·91 | 3·42 | 27·17 |
| Antrim .....1 | Belfast (Queen's University) ..... | 3·86 | ·75 | 1·08 | 1·85 | 1·37 | 2·80 | 1·41 | 6·08 | 1·54 | 3·64 | 2·92 | 4·11 | 31·41 |
| ,, .....1 | Carrickfergus (Copeland) ..... | 4·00 | 1·01 | 1·87 | 1·90 | 1·41 | 3·17 | 2·31 | 6·49 | 1·98 | 4·08 | 1·98 | 4·47 | 34·67 |
| ,, .....2 | Larne (Sallagh Springs) ..... | 4·21 | ·80 | 2·18 | 1·96 | 2·38 | 2·81 | 2·30 | 7·14 | 3·54 | 5·27 | 4·22 | 4·41 | 41·22 |
| ,, .....3 | Ballycastle (Coolgreany) ..... | 5·89 | 1·73 | 1·07 | 1·51 | 1·12 | 2·98 | 3·37 | 8·74 | 3·85 | 3·60 | 3·47 | 5·06 | 42·39 |
| ,, .....5 | Aldergrove Airfield ..... | 3·10 | ·75 | 1·42 | 1·20 | 1·19 | 2·55 | 1·73 | 4·24 | 1·39 | 3·11 | 3·01 | 3·54 | 27·23 |
| ,, .....5 | Ballymena (Harryville) ..... | 4·89 | 1·26 | 2·08 | 1·61 | 1·50 | 2·97 | 2·04 | 7·04 | 2·90 | 4·10 | 3·59 | 4·66 | 38·64 |
| Londonderry .....3 | Garvagh (Moneydig) ..... | 6·57 | 1·94 | 2·09 | 1·29 | 1·88 | 2·20 | 1·87 | 5·35 | 3·49 | 5·03 | 4·27 | 4·99 | 40·97 |
| ,, .....3 | Coleraine (Ingledene) ..... | 6·17 | 1·93 | 1·15 | 1·39 | 1·51 | 3·24 | 1·66 | 6·72 | 3·65 | 4·77 | 3·68 | 5·30 | 41·17 |
| ,, .....5 | Glenedra Lodge ..... | 8·25 | 3·20 | 2·75 | 2·32 | 2·00 | 3·48 | 2·49 | 6·44 | 4·16 | 7·37 | 4·64 | 5·91 | 53·01 |
| ,, .....5 | Londonderry (Creggan Reservoir) . | 6·10 | 2·67 | 2·00 | 1·39 | 1·60 | 2·94 | 2·24 | 6·14 | 3·35 | 4·45 | 3·71 | 5·78 | 42·37 |
| Tyrone .....2 | Castlecaulfield (Parkanaur) ..... | 4·12 | ·69 | 2·07 | 1·30 | 1·16 | 2·95 | 1·34 | 4·47 | 1·44 | 6·01 | 2·65 | 3·82 | 32·02 |
| ,, .....3 | Omagh (Edenfel) ..... | 5·37 | 1·55 | 2·05 | 1·51 | 1·83 | 3·21 | 1·40 | 4·42 | 1·78 | 5·61 | 3·23 | 4·99 | 36·95 |
| ,, .....3 | Sion Mills (Sion House) ..... | 5·87 | 2·44 | 2·37 | 1·29 | 1·88 | 2·55 | 1·08 | 5·29 | 1·88 | 4·52 | 2·88 | 5·07 | 37·12 |

## Table 8D Monthly Rainfall in 1951 ; the Average, 1881-1915, being taken as 100

| County and River Division | Station | Jan. | Feb. | Mar. | Apr. | May | Jun. | Jul. | Aug. | Sep. | Oct. | Nov. | Dec. | Year |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | % | % | % | % | % | % | % | % | % | % | % | % | % |
| London .....2 | St. Pancras (Camden Square) ..... | 88 | 54 | 162 | 81 | 61 | 79 | 29 | 115 | 152 | 99 | 163 | 100 | 99 |
| Kent .....1 | Dover (Waterloo Crescent) ..... | 148 | 63 | 176 | 75 | 75 | 43 | 25 | 124 | 250 | 57 | 105 | 126 | 106 |
| ,, .....4 | Edenbridge (Falconhurst) ..... | 118 | 48 | 134 | 105 | 68 | 57 | 36 | 135 | 139 | 81 | 126 | 85 | 96 |
| Sussex .....1 | Compton (Compton House) ..... | 97 | 36 | 132 | 121 | 144 | 71 | 23 | 94 | 159 | 146 | 134 | 91 | 106 |
| ,, .....3 | Worthing (Beach House Park) .... | 116 | 40 | 141 | 87 | 108 | 70 | 39 | 90 | 215 | 87 | 129 | 109 | 104 |
| Hampshire .....1 | Ventnor Park ..... | 111 | 43 | 198 | 92 | 121 | 68 | 20 | 96 | 254 | 107 | 185 | 130 | 124 |
| ,, .....8 | Sherborne St. John ..... | 103 | 33 | 123 | 88 | 164 | 80 | 30 | 103 | 170 | 119 | 131 | 73 | 101 |
| Hertfordshire .....3 | Royston (Therfield Rectory) ..... | 83 | 36 | 171 | 84 | 125 | 51 | 26 | 195 | 166 | 79 | 161 | 87 | 106 |
| Buckinghamshire....3 | Slough (Upton) ..... | 97 | 44 | 145 | 124 | 137 | 55 | 23 | 118 | 174 | 101 | 132 | 91 | 102 |
| Oxfordshire .....3 | Oxford (Radcliffe Met. Station) ... | 101 | 31 | 145 | 101 | 119 | 59 | 12 | 187 | 98 | 130 | 166 | 88 | 104 |
| Northamptonshire ..4 | Wellingborough (Swanspool) ..... | 82 | 46 | 164 | 134 | 178 | 54 | 20 | 137 | 129 | 107 | 135 | 102 | 106 |
| Cambridgeshire ....2 | March ..... | 89 | 36 | 187 | 97 | 109 | 60 | 17 | 101 | 159 | 95 | 141 | 81 | 96 |
| Essex .....1 | Hatfield Broad Oak (Barrington) .. | 111 | 45 | 180 | 93 | 50 | 130 | 30 | 136 | 144 | 88 | 187 | 111 | 110 |
| ,, .....3 | Shoeburyness ..... | 110 | 76 | 204 | 60 | 95 | 80 | 31 | 173 | 210 | 55 | 199 | 110 | 117 |
| ,, .....6 | Dovercourt..... | 155 | 68 | 186 | 54 | 81 | 79 | 41 | 118 | 250 | 67 | 207 | 113 | 120 |
| Suffolk .....4 | Lowestoft (Secondary School) ..... | 151 | 75 | 148 | 57 | 66 | 85 | 71 | 196 | 142 | 63 | 179 | 120 | 114 |
| ,, .....5 | Bury St. Edmunds (Westley Hall) .. | 138 | 65 | 164 | 113 | 55 | 75 | 38 | 128 | 137 | 104 | 179 | 89 | 107 |
| Norfolk.....3 | Sandringham House Gardens ..... | 132 | 51 | 143 | 91 | 128 | 45 | 36 | 83 | 162 | 73 | 132 | 98 | 96 |
| Wiltshire .....3 | Porton (C.D.E.E.)..... | 107 | 21 | 168 | 111 | 276 | 71 | 21 | 211 | 154 | 143 | 123 | 82 | 122 |
| ,, .....5 | Aldbourne (Manor House) ..... | 116 | 44 | 135 | 110 | 172 | 78 | 14 | 209 | 118 | 137 | 163 | 106 | 119 |
| Dorset .....3 | Creech Grange ..... | 84 | 29 | 140 | 94 | 141 | 59 | 39 | 96 | 239 | 110 | 113 | 84 | 102 |
| ,, .....3 | Beaminster (East Street) ..... | 96 | 24 | 137 | 128 | 149 | 74 | 38 | 161 | 258 | 120 | 125 | 78 | 113 |
| Devonshire, S. .....5 | Teignmouth (Den Gardens) ..... | 107 | 21 | 107 | 132 | 132 | 91 | 38 | 172 | 144 | 139 | 161 | 79 | 109 |
| ,, .....6 | Cullompton ..... | 129 | 42 | 133 | 128 | 129 | 64 | 39 | 183 | 155 | 118 | 114 | 93 | 111 |
| Devonshire, N. .....1 | Ilfracombe (Bowling Green) ..... | 139 | 36 | 129 | 192 | 158 | 110 | 61 | 209 | 133 | 107 | 115 | 89 | 121 |
| ,, .....3 | Okehampton (Uplands) ..... | 147 | 36 | 117 | 130 | 125 | 84 | 45 | 249 | 154 | 98 | 114 | 69 | 112 |
| Cornwall.....1 | Bude (School House) ..... | 112 | 49 | 130 | 140 | 133 | 96 | 36 | 194 | 134 | 125 | 125 | 92 | 114 |
| ,, .....2 | Penzance (Morrab Gardens) ..... | 161 | 51 | 124 | 155 | 93 | 60 | 50 | 113 | 146 | 95 | 144 | 79 | 107 |
| ,, .....2 | St. Austell (Poltair Public Gardens.) | 128 | 39 | 125 | 128 | 130 | 52 | 41 | 127 | 160 | 145 | 117 | 87 | 107 |
| ,, .....4 | Scilly (Tresco Abbey) ..... | 116 | 44 | 124 | 149 | 111 | 64 | 93 | 129 | 182 | 79 | 174 | 81 | 111 |
| Gloucestershire .....7 | Cirencester (Somerford Road) ..... | 88 | 28 | 138 | 110 | 130 | 80 | 7 | 120 | 65 | 140 | 128 | 86 | 95 |
| Herefordshire.....1 | Vowchurch (Ladywell House)..... | 102 | 29 | 71 | 100 | 142 | 115 | 51 | 191 | 121 | 119 | 118 | 73 | 104 |
| Shropshire .....3 | Church Stretton (Sewage Works) .. | 133 | 29 | 85 | 84 | 111 | 94 | 40 | 84 | 120 | 134 | 118 | 91 | 95 |
| ,, .....3 | Shrewsbury (Monkmoor) ..... | 125 | 39 | 75 | 124 | 84 | 101 | 32 | 73 | 87 | 127 | 104 | 111 | 92 |
| Worcestershire .....1 | Malvern (Free Library) ..... | 100 | 26 | 115 | 133 | 162 | 96 | 47 | 164 | 67 | 160 | 131 | 82 | 110 |
| Warwickshire .....1 | Leamington Spa (Pump Room Gdns.) | 94 | 29 | 124 | 120 | 140 | 66 | 14 | 182 | 51 | 133 | 110 | 97 | 99 |
| ,, .....4 | Birmingham (Edgbaston Obsy.) .... | 135 | 37 | 130 | 164 | 121 | 67 | 75 | 135 | 97 | 151 | 107 | 106 | 111 |
| Leicestershire .....4 | Thornton Reservoir ..... | 97 | 43 | 156 | 130 | 117 | 87 | 22 | 133 | 91 | 102 | 88 | 99 | 97 |

## Table 8D - Monthly Rainfall in 1952 ; the Average, 1881-1915, being taken as 100 (*continued*)

| County and River Division | Station | Jan. | Feb. | Mar. | Apr. | May | Jun. | Jul. | Aug. | Sep. | Oct. | Nov. | Dec. | Year |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | % | % | % | % | % | % | % | % | % | % | % | % | % |
| Lincolnshire .....3 | Boston (Black Sluice, Skirbeck) ... | 94 | 32 | 151 | 81 | 155 | 101 | 22 | 109 | 126 | 70 | 139 | 75 | 95 |
| ,, .....4 | Skegness (Marine Gardens)..... | 91 | 46 | 154 | 75 | 86 | 43 | 19 | 68 | 147 | 75 | 118 | 70 | 81 |
| Nottinghamshire ...5 | Mansfield (Carr Bank) ..... | 84 | 19 | 96 | 102 | 112 | 77 | 24 | 80 | 108 | 120 | 103 | 68 | 82 |
| Derbyshire .....6 | Buxton (Terrace Slopes) ..... | 148 | 91 | 77 | 147 | 85 | 111 | 76 | 60 | 142 | 116 | 78 | 98 | 101 |
| Cheshire .....3 | Birkenhead (Bidston Observatory) . | 125 | 58 | 86 | 94 | 97 | 82 | 44 | 72 | 154 | 98 | 98 | 107 | 93 |
| Lancashire, South ..3 | Manchester (Whitworth Park) ..... | 131 | 62 | 106 | 188 | 89 | 97 | 85 | 65 | 140 | 105 | 96 | 110 | 104 |
| ,, Central .1 | Squires Gate (Blackpool Airport) .. | 108 | 45 | 76 | 126 | 107 | 128 | 42 | 94 | 170 | 95 | 59 | 120 | 97 |
| ,, ,, ...1 | Stonyhurst College ..... | 127 | 54 | 60 | 135 | 99 | 128 | 89 | 151 | 134 | 79 | 55 | 109 | 102 |
| ,, North...5 | Garstang (Grizedale Reservoir) .... | 109 | 38 | 90 | 153 | 98 | 159 | 45 | 160 | 86 | 97 | 50 | 83 | 96 |
| Yorkshire, W.R. ...8 | Wakefield (Clarence Park)..... | 100 | 24 | 88 | 73 | 76 | 57 | 45 | 48 | 91 | 124 | 57 | 71 | 72 |
| ,, E.R. ...3 | Hull (Pearson Park) ..... | 85 | 43 | 139 | 74 | 61 | 98 | 108 | 42 | 211 | 81 | 141 | 75 | 94 |
| ,, N.R. ...2 | Felixkirk (Mount St. John) ..... | 87 | 40 | 96 | 88 | 86 | 95 | 63 | 79 | 232 | 144 | 70 | 65 | 94 |
| ,, ,, ...3 | York (Museum) ..... | 89 | 25 | 133 | 74 | 74 | 83 | 66 | 66 | 228 | 91 | 71 | 73 | 87 |
| ,, ,, ...5 | Scarborough ..... | 136 | 60 | 94 | 65 | 67 | 70 | 92 | 65 | 298 | 68 | 166 | 108 | 105 |
| ,, ,, ...6 | Middlesbrough (Albert Park) ..... | 101 | 36 | 76 | 116 | 55 | 55 | 50 | 65 | 281 | 74 | 159 | 95 | 94 |
| ,, ,, ...6 | Baldersdale (Hury Reservoir) ..... | 101 | 28 | 56 | 66 | 83 | 68 | 46 | 113 | 141 | 98 | 64 | 76 | 79 |
| Northumberland ...3 | Newcastle (Leazes Park) ..... | 78 | 42 | 51 | 59 | 80 | 81 | 36 | 87 | 177 | 90 | 137 | 158 | 91 |
| ,, ...4 | Bellingham (High Green) ..... | 112 | 33 | 84 | 108 | 85 | 92 | 48 | 126 | 127 | 78 | 111 | 97 | 92 |
| ,, ...6 | Ilderton (Lilburn Tower Gardens) . | 125 | 25 | 59 | 88 | 76 | 78 | 50 | 160 | 183 | 98 | 129 | 167 | 106 |
| Cumberland .....1 | Geltsdale ..... | 135 | 55 | 45 | 117 | 61 | 120 | 98 | 93 | 139 | 77 | 104 | 92 | 94 |
| ,, .....2 | Keswick (High Hill) ..... | 115 | 25 | 53 | 104 | 103 | 103 | 104 | 164 | 142 | 101 | 57 | 76 | 94 |
| ,, .....3 | Ravenglass (The Grove) ..... | 88 | 37 | 79 | 129 | 94 | 120 | 70 | 101 | 91 | 110 | 38 | 100 | 87 |
| Monmouthshire.....3 | Abergavenny (Larchfield) ..... | 109 | 19 | 68 | 119 | 163 | 87 | 55 | 213 | 140 | 150 | 101 | 63 | 106 |
| Glamorgan .....3 | Ystalyfera (Wern House) ..... | 134 | 35 | 105 | 116 | 133 | 123 | 54 | 112 | 71 | 89 | 82 | 72 | 92 |
| ,, .....7 | Cardiff (Penylan)..... | 88 | 29 | 84 | 133 | 156 | 91 | 93 | 142 | 149 | 120 | 99 | 67 | 103 |
| Carmarthenshire ...2 | Llanddeusant (Pontcrynfe) ..... | 125 | 40 | 83 | 142 | 183 | 111 | 42 | 128 | 76 | 85 | 79 | 61 | 92 |
| Pembrokeshire .....4 | Tenby (The Priory) ..... | 114 | 20 | 88 | 179 | 211 | 143 | 52 | 130 | 78 | 85 | 89 | 88 | 101 |
| Radnorshire .....1 | Birmingham W.W. (Tyrmynydd) .. | 145 | 59 | 57 | 89 | 113 | 120 | 47 | 106 | 116 | 104 | 71 | 77 | 91 |
| Montgomeryshire ...5 | Lake Vyrnwy (Experimental Station) | 167 | 36 | 76 | 106 | 111 | 87 | 78 | 103 | 114 | 182 | 74 | 86 | 104 |
| Merionethshire .....3 | Blaenau Festiniog (Oakeley Quarry) | 121 | 47 | 141 | 72 | 62 | 144 | 39 | 69 | 113 | 81 | 70 | 89 | 87 |
| ,, .....5 | Aberdovey (Plâs Penhelig) ..... | 97 | 69 | 82 | 99 | 133 | 133 | 54 | 90 | 80 | 122 | 93 | 105 | 96 |
| Caernarvonshire ....2 | Llandudno (Cricket Ground) ..... | 141 | 83 | 42 | 85 | 102 | 75 | 72 | 98 | 181 | 116 | 85 | 111 | 101 |
| Anglesey ..... | Llanerchymedd (Llwydiarth Esgob). | 139 | 78 | 76 | 101 | 99 | 107 | 45 | 112 | 153 | 97 | 90 | 89 | 99 |
| Isle of Man ..... | Douglas (Borough Cemetery) ..... | 113 | 30 | 96 | 59 | 108 | 105 | 46 | 135 | 131 | 107 | 76 | 113 | 95 |
| Wigtownshire.....4 | Newton Stewart (Little Barraer).... | 109 | 27 | 86 | 68 | 85 | 119 | 70 | 80 | 84 | 94 | 59 | 81 | 79 |
| Dumfriesshire .....3 | Dumfries (Crichton Royal Institute) | 121 | 17 | 84 | 116 | 125 | 111 | 81 | 97 | 60 | 137 | 58 | 84 | 90 |
| ,, .....5 | Eskdalemuir Observatory ..... | 141 | 25 | 80 | 108 | 85 | 138 | 89 | 87 | 64 | 94 | 68 | 75 | 86 |
| Roxburghshire.....3 | Crailing..... | 113 | 30 | 46 | 107 | 71 | 86 | 44 | 109 | 110 | 101 | 148 | 140 | 93 |

## Table 8D Monthly Rainfall in 1952 ; the Average, 1881-1915, being taken as 100 (*continued*)

| County and River Division | Station | Jan. | Feb. | Mar. | Apr. | May | Jun. | Jul. | Aug. | Sep. | Oct. | Nov. | Dec. | Year |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | % | % | % | % | % | % | % | % | % | % | % | % | % |
| Peeblesshire .....2 | Stobo Castle ..... | 152 | 38 | 46 | 88 | 94 | 91 | 81 | 119 | 87 | 113 | 89 | 109 | 96 |
| Berwickshire .....4 | Marchmont House ..... | 83 | 31 | 60 | 82 | 82 | 115 | 47 | 107 | 101 | 91 | 114 | 152 | 90 |
| East Lothian .....5 | North Berwick Reservoir..... | 51 | 37 | 71 | 97 | 98 | 130 | 76 | 69 | 93 | 44 | 104 | 88 | 78 |
| Midlothian .....5 | Edinburgh (Blackford Hill) ..... | 139 | 28 | 48 | 102 | 83 | 121 | 79 | 141 | 92 | 53 | 92 | 117 | 93 |
| Lanarkshire .....5 | Hamilton W. W. (Townhill) ..... | 109 | 39 | 77 | 137 | 75 | 112 | 86 | 104 | 88 | 63 | 60 | 72 | 83 |
| Ayrshire .....8 | Colmonell (Knockdolian) ..... | 116 | 31 | 64 | 66 | 72 | 96 | 88 | 142 | 82 | 103 | 51 | 66 | 81 |
| ,, .....13 | Glen Afton (Ayr Sanatorium) ..... | 158 | 50 | 77 | 100 | 94 | 108 | 115 | 72 | 75 | 123 | 67 | 82 | 93 |
| Renfrewshire .....3 | Greenock (Prospect Hill) ..... | 120 | 49 | 99 | 87 | 61 | 135 | 78 | 115 | 99 | 131 | 36 | 102 | 92 |
| Buteshire .....1 | Rothesay (Ardencraig) ..... | 126 | 55 | 114 | 76 | 65 | 121 | 95 | 135 | 84 | 125 | 51 | 132 | 100 |
| Argyllshire .....2 | Morvern (Drimnin) ..... | 95 | 62 | 139 | 75 | 64 | 142 | 112 | 122 | 88 | 119 | 40 | 92 | 94 |
| ,, .....8 | Lochgilphead (Poltalloch) ..... | 150 | 59 | 105 | 61 | 52 | 122 | 113 | 118 | 115 | 138 | 45 | 101 | 100 |
| ,, .....11 | Inveraray Castle Gardens ..... | 107 | 58 | 108 | 75 | 45 | 138 | 85 | 111 | 93 | 120 | 41 | 97 | 90 |
| ,, .....14 | Islay (Eallabus) ..... | 159 | 54 | 95 | 64 | 71 | 169 | 98 | 121 | 90 | 95 | 50 | 98 | 96 |
| ,, .....14 | Tiree Airport ..... | 124 | 57 | 141 | 83 | 56 | 136 | 78 | 84 | 93 | 100 | 43 | 99 | 90 |
| Kinross-shire .....2 | Loch Leven Sluice ..... | 95 | 21 | 120 | 86 | 64 | 126 | 74 | 104 | 96 | 83 | 59 | 75 | 83 |
| Fifeshire .....3 | Leuchars Airfield ..... | 52 | 30 | 91 | 55 | 97 | 134 | 62 | 113 | 40 | 100 | 87 | 72 | 80 |
| Perthshire .....1 | Loch Dhu..... | 81 | 30 | 133 | 83 | 50 | 118 | 61 | 77 | 79 | 111 | 32 | 76 | 76 |
| ,, .....7 | Crieff (Strathearn Hydro) ..... | 68 | 24 | 113 | 78 | 89 | 99 | 75 | 112 | 48 | 99 | 47 | 64 | 75 |
| ,, .....14 | Fincastle House..... | 96 | 38 | 85 | 64 | 155 | 105 | 73 | 94 | 45 | 133 | 53 | 55 | 81 |
| Angus .....4 | Montrose (Sunnyside Asylum) .... | 67 | 43 | 160 | 49 | 142 | 125 | 84 | 81 | 45 | 76 | 77 | 75 | 85 |
| Aberdeenshire .....1 | Braemar (Bank)..... | 86 | 44 | 65 | 69 | 126 | 95 | 37 | 93 | 69 | 142 | 80 | 115 | 87 |
| ,, .....2 | Dyce (Craibstone) ..... | 113 | 61 | 146 | 75 | 99 | 163 | 73 | 155 | 85 | 79 | 109 | 85 | 102 |
| ,, .....4 | New Deer (School House)..... | 158 | 110 | 103 | 69 | 91 | 140 | 62 | 141 | 167 | 70 | 133 | 96 | 109 |
| Morayshire.....2 | Fochabers (Gordon Castle) ..... | 145 | 78 | 79 | 78 | 77 | 113 | 74 | 131 | 157 | 72 | 142 | 86 | 103 |
| Nairnshire .....2 | Nairn (Achareidh) ..... | 96 | 65 | 75 | 48 | 77 | 93 | 68 | 146 | 71 | 69 | 113 | 98 | 87 |
| Inverness-shire .....2 | Glenshero ..... | 94 | 79 | 64 | 80 | 83 | 130 | 80 | 108 | 102 | 142 | 71 | 97 | 94 |
| ,, .....6 | Loch Ness (Garthbeg) ..... | 106 | 52 | 53 | 57 | 120 | 125 | 75 | 168 | 128 | 133 | 78 | 92 | 98 |
| ,, .....7 | Loch Quoich (Glenquoich) ..... | 84 | 71 | 93 | 82 | 81 | 143 | 98 | 104 | 137 | 153 | 68 | 83 | 97 |
| ,, .....17 | Onich ..... | 95 | 75 | 107 | 99 | 77 | 145 | 98 | 100 | 105 | 136 | 42 | 103 | 96 |
| ,, .....17 | Fort William (Teviot)..... | 80 | 50 | 87 | 98 | 63 | 146 | 72 | 95 | 100 | 124 | 52 | 84 | 85 |
| ,, .....18 | Skye (Broadford) ..... | 100 | 68 | 110 | 102 | 86 | 171 | 54 | 94 | 102 | 104 | 65 | 87 | 93 |
| ,, .....18 | Skye (Duntulm, Kilmuir) ..... | 106 | 57 | 99 | 91 | 87 | 163 | 80 | 113 | 127 | 118 | 73 | 106 | 100 |
| Ross and Cromarty 5 | Tain (Mayfield)..... | 89 | 72 | 90 | 34 | 62 | 63 | 69 | 158 | 58 | 77 | 95 | 77 | 81 |
| ,, 7 | Inverbroom (Glackour) ..... | 182 | 111 | 63 | 58 | 126 | 160 | 99 | 97 | 143 | 156 | 108 | 119 | 119 |
| ,, 9 | Achnashellach ..... | 95 | 108 | 75 | 77 | 87 | 140 | 117 | 129 | 136 | 130 | 92 | 99 | 106 |
| Sutherland .....1 | Loch Shin (Corrykinloch)..... | 160 | 128 | 102 | 49 | 145 | 159 | 65 | 117 | 163 | 123 | 105 | 107 | 118 |
| ,, .....6 | Lochinver (Bank House) ..... | 143 | 106 | 102 | 63 | 122 | 174 | 122 | 143 | 177 | 92 | 137 | 103 | 122 |
| Caithness .....2 | Wick Airport ..... | 149 | 107 | 123 | 25 | 87 | 162 | 61 | 127 | 98 | 118 | 114 | 118 | 108 |

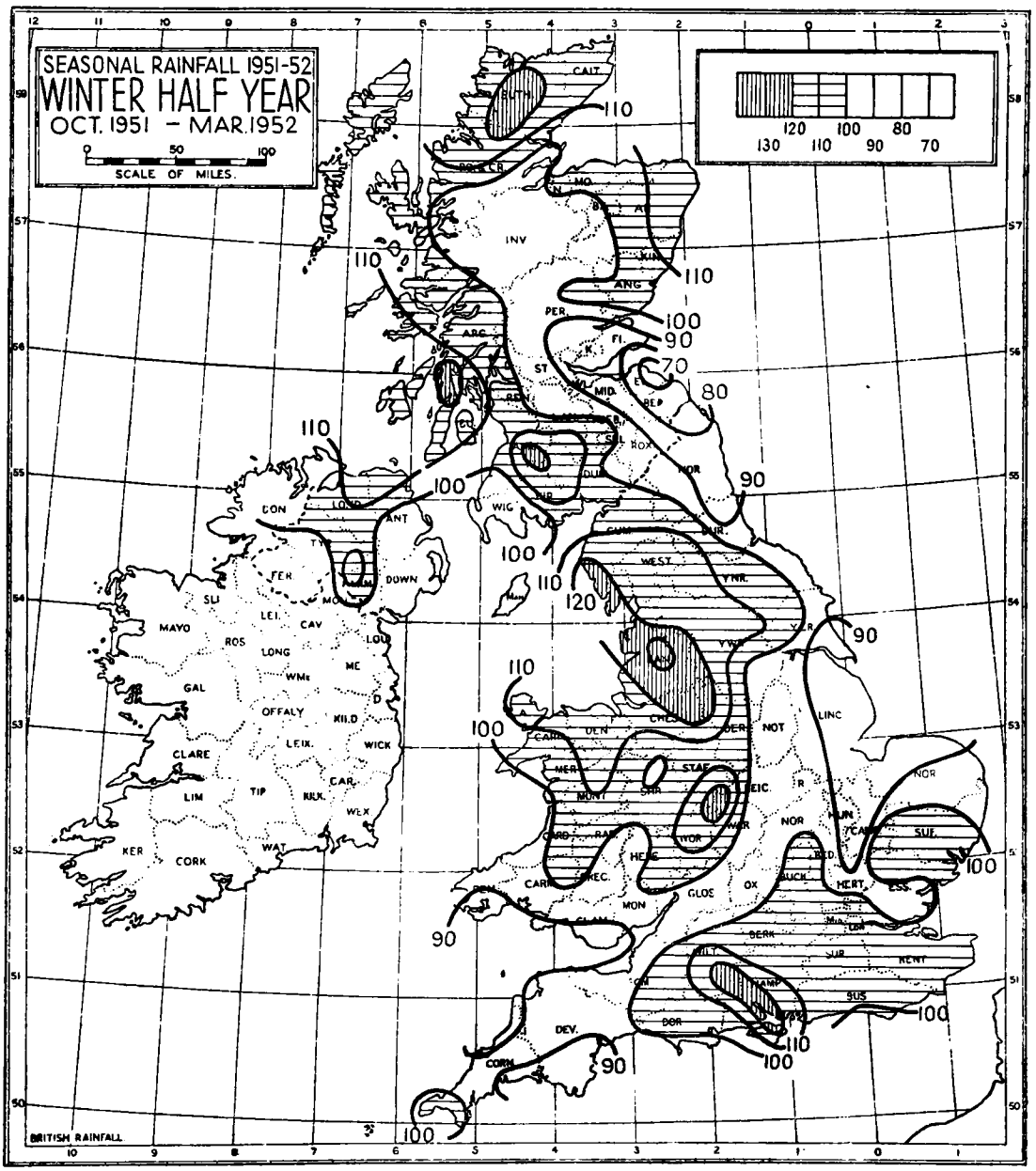
## Table 8D Monthly Rainfall in 1952 ; the Average, 1881-1915, being taken as 100 (*concluded*)

| County and River Division | Station | Jan. | Feb. | Mar. | Apr. | May | Jun. | Jul. | Aug. | Sep. | Oct. | Nov. | Dec. | Year |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | % | % | % | % | % | % | % | % | % | % | % | % | % |
| Shetland Islands ..... | Lerwick Observatory ..... | 109 | 65 | 195 | 78 | 183 | 204 | 79 | 178 | 134 | 95 | 68 | 121 | 120 |
| Fermanagh .....1 | Newtownbutler (Crom Castle) ..... | 131 | 37 | 72 | 51 | 78 | 108 | 55 | 99 | 54 | 122 | 49 | 83 | 79 |
| Armagh .....5 | Armagh Observatory ..... | 183 | 35 | 60 | 75 | 47 | 90 | 59 | 107 | 50 | 142 | 87 | 111 | 89 |
| Down .....2 | Seaforde ..... | 103 | 18 | 48 | 72 | 72 | 80 | 47 | 131 | 63 | 172 | 75 | 87 | 83 |
| Antrim .....5 | Aldergrove Airfield ..... | 113 | 31 | 57 | 57 | 52 | 106 | 62 | 118 | 56 | 104 | 93 | 103 | 83 |
| ,, .....5 | Ballymena (Harryville) ..... | 132 | 39 | 66 | 61 | 52 | 102 | 59 | 165 | 93 | 111 | 89 | 105 | 93 |
| Londonderry .....3 | Garvagh (Moneydig) ..... | 191 | 62 | 67 | 53 | 73 | 87 | 58 | 136 | 117 | 142 | 109 | 124 | 106 |
| ,, .....5 | Londonderry (Creggan Reservoir) . | 169 | 84 | 63 | 54 | 61 | 104 | 61 | 132 | 102 | 121 | 90 | 132 | 101 |
| Tyrone .....3 | Omagh (Edenfel) ..... | 152 | 52 | 65 | 57 | 71 | 114 | 41 | 104 | 58 | 153 | 85 | 118 | 92 |
| | | | | | | | | | | | | | | ‡ |
| **England** ..... | (General Mean* 60 Stations) ..... | **112** | **42** | **122** | **108** | **109** | **82** | **45** | **126** | **156** | **104** | **123** | **94** | .. |
| **Wales** ..... | ( ,, ,, 11 ,, ) ..... | **125** | **47** | **82** | **113** | **133** | **111** | **57** | **118** | **116** | **112** | **85** | **83** | .. |
| **England and Wales** ... | ( ,, ,, 71 ,, ) ..... | **114** | **43** | **116** | **109** | **113** | **86** | **47** | **124** | **149** | **105** | **117** | **93** | .. |
| **Scotland** ..... | ( ,, ,, 43 ,, ) ..... | **112** | **57** | **95** | **78** | **90** | **130** | **80** | **114** | **98** | **106** | **77** | **95** | .. |
| **Northern Ireland** ..... | ( ,, ,, 8 ,, ) ..... | **147** | **45** | **62** | **60** | **63** | **99** | **55** | **124** | **74** | **133** | **85** | **108** | .. |

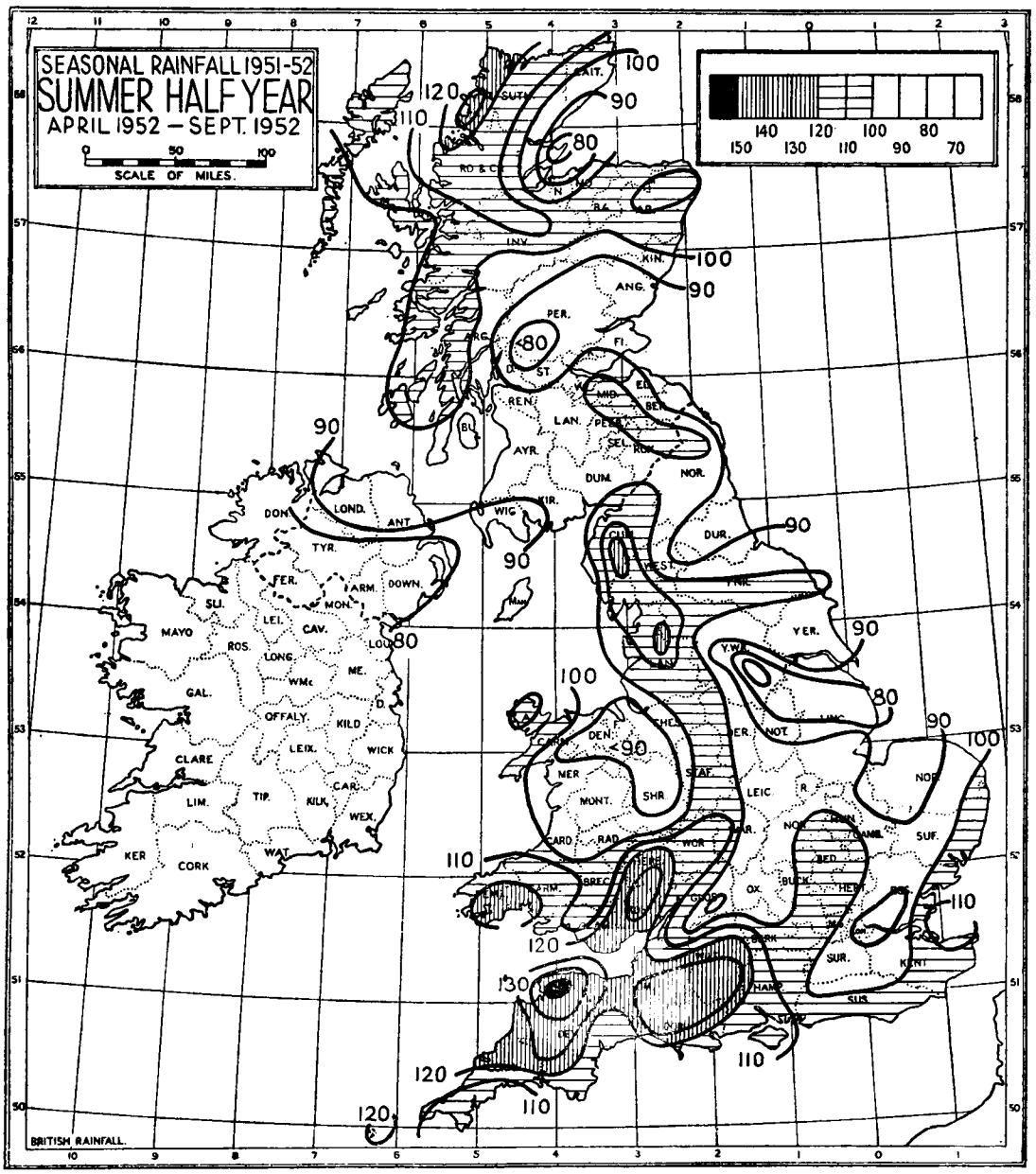
* The ' General ' values given in the last five rows are obtained by taking the means of the percentage values for the stations. ‡ See Table 10A.

# 9 Seasonal Rainfall 1951-52

There are definite advantages in considering the rainfall of the winter and summer separately. One defect of the calendar year as a unit of time for rainfall purposes is that the early part of a winter is included in one calendar year and the later part in another year. Winter rainfall has a special economic importance, for, except in the wettest areas, the summer rainfall is, for the most part, lost by evaporation or absorbed by vegetation.




**Rainfall, Winter Half-year, as per cent of average**



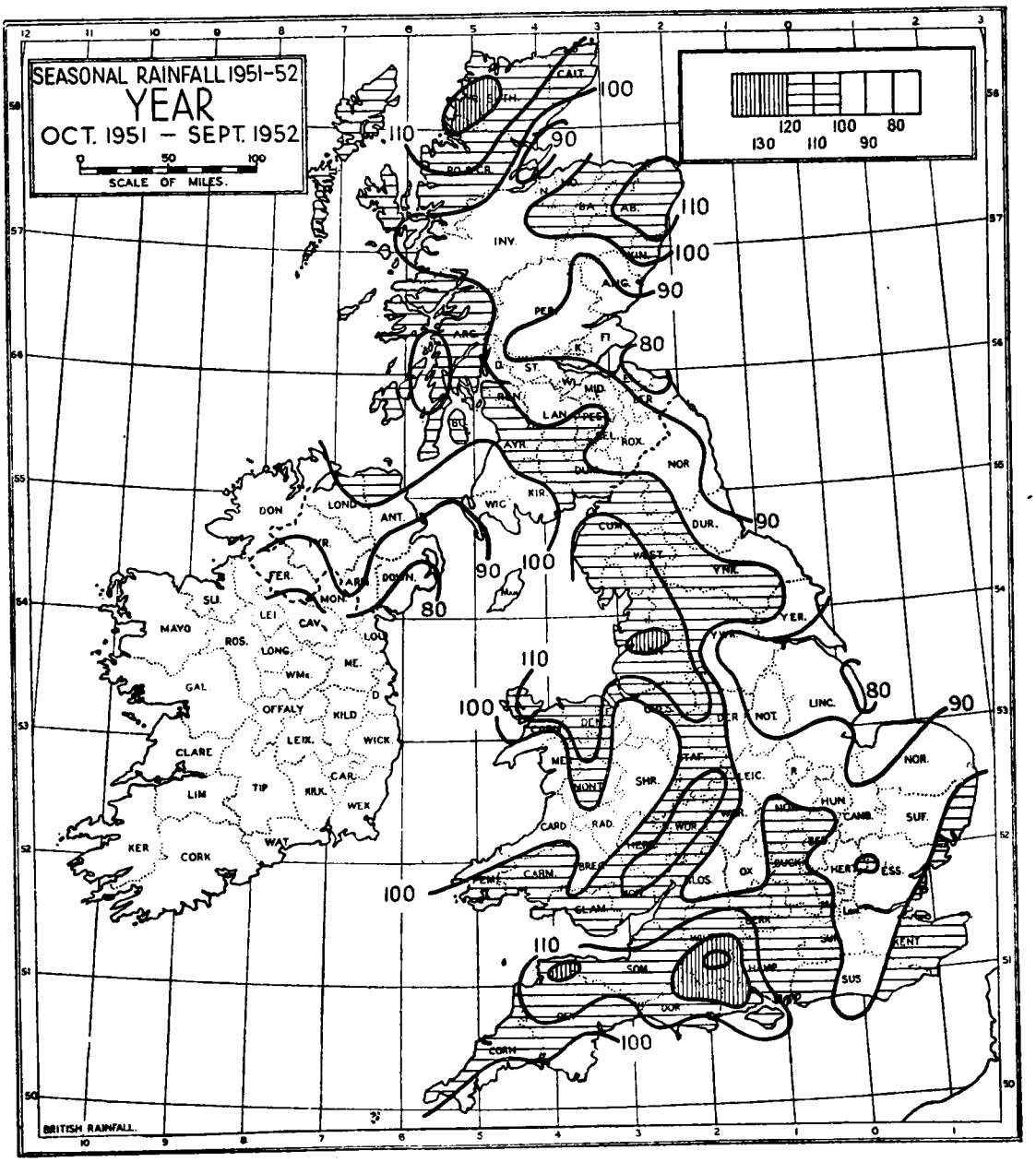

**Rainfall, Summer Half-year, as per cent of average**

In this section the rainfall of the winter season, October 1, 1951, to March 31, 1952, and of the summer season, April 1, 1952, to September 30, 1952, is dealt with, as well as the rainfall of the whole seasonal year, October 1, 1951, to September 30, 1952. It is usual to associate a summer season with the preceding rather than with the following winter season, since the water required in summer for replenishing streams and for the needs of animal and vegetable life is derived, in part, from that which has been naturally stored during the previous winter season.

Table 9A contains rainfall values for each of these two seasons as percentages of the average fall for the season at each station. The table gives, in the fourth column, the corresponding percentages for each station for the whole of the seasonal year. These last figures are not always the mean of the percentages for the two seasons, but often

show a bias towards the winter value rather than that of the summer. This is due to the fact that the average rainfall for the winter, is, in general, greater than that for the summer.

The stations in Table 9A are, as far as possible, the same as those used in earlier volumes. The monthly percentage values for these stations are given in Table 8D and the monthly and annual values in inches are included in Table 8C. Seasonal percentage values for the larger divisions of the country are given in Table 9B. In *British Rainfall*, 1926, p. 125, values were given for the general rainfall over England and Wales and Scotland separately back to 1906–07 and the series has been continued in the annual volumes.




**Rainfall, Seasonal Year, as per cent of average**

# Table 9A Seasonal Rainfall, 1951-52, as a Percentage of the Average, 1881-1915

| Station† | Winter Oct. 1951 Mar. 1952 | Summer Apl. 1952 Sep. 1952 | Year Oct. 1951 Sep. 1952 |
|---|---|---|---|
| St. Pancras (Camden Square) ... | 102 | 84 | 94 |
| Dover (Waterloo Crescent) ... ... | 107 | 104 | 106 |
| Edenbridge (Falconhurst) ... ... | 104 | 92 | 98 |
| Compton (Compton House) ... ... | 110 | 100 | 106 |
| Worthing (Beach House Park) ... | 93 | 103 | 97 |
| Ventnor Park ... ... ... | 120 | 115 | 118 |
| Sherborne St. John ... ... ... | 103 | 104 | 103 |
| Royston (Therfield Rectory) ... | 89 | 108 | 98 |
| Slough (Upton) ... ... ... | 103 | 103 | 103 |
| Oxford (Radcliffe Met. Station) ... | 97 | 95 | 96 |
| Wellingborough (Swanspool) ... | 100 | 105 | 103 |
| March ... ... ... ... ... | 89 | 87 | 88 |
| Hatfield Broad Oak (Barrington) ... | 105 | 97 | 101 |
| Shoeburyness ... ... ... ... | 100 | 110 | 105 |
| Dovercourt ... ... ... ... | 109 | 106 | 107 |
| Lowestoft (Secondary School) ... | 94 | 107 | 100 |
| Bury St. Edmunds (Westley Hall) ... | 103 | 90 | 97 |
| Sandringham House Gardens ... | 86 | 87 | 87 |
| Porton (C.D.E.E.) ... ... ... | 124 | 139 | 131 |
| Aldbourne (Manor House) ... ... | 108 | 117 | 112 |
| Creech Grange ... ... ... | 97 | 113 | 103 |
| Beaminster (East Street) ... ... | 101 | 136 | 115 |
| Teignmouth (Den Gardens) ... ... | 80 | 117 | 94 |
| Cullompton ... ... ... ... | 98 | 118 | 106 |
| Ilfracombe (Bowling Green) ... ... | 92 | 147 | 115 |
| Okehampton (Uplands) ... ... | 97 | 139 | 112 |
| Bude (School House) ... ... ... | 86 | 124 | 101 |
| Penzance (Morrab Gardens) ... ... | 105 | 104 | 105 |
| St. Austell (Poltair Public Gardens) | 90 | 106 | 97 |
| Scilly (Tresco Abbey) ... ... ... | 95 | 126 | 107 |
| Cirencester (Somerford Road) ... | 98 | 84 | 92 |
| Vowchurch (Ladywell House) ... | 91 | 123 | 105 |
| Church Stretton (Sewage Works) ... | 104 | 87 | 96 |
| Shrewsbury (Monkmoor) ... ... | 99 | 81 | 90 |
| Malvern (Free Library) ... ... | 110 | 114 | 112 |
| Leamington Spa (Pump Room Gardens) | 97 | 97 | 97 |
| Birmingham (Edgbaston) ... ... | 127 | 108 | 118 |
| Thornton Reservoir ... ... ... | 98 | 95 | 97 |
| Boston (Black Sluice, Skirbeck) ... | 86 | 97 | 91 |
| Skegness (Marine Gardens) ... ... | 87 | 71 | 79 |
| Mansfield (Carr Bank) ... ... | 98 | 80 | 89 |
| Buxton (Terrace Slopes) ... ... | 121 | 100 | 112 |
| Birkenhead (Bidston Observatory) ... | 112 | 88 | 100 |
| Manchester (Whitworth Park) ... | 127 | 104 | 115 |
| Squires Gate (Blackpool Airport) ... | 128 | 109 | 119 |
| Stonyhurst College ... ... ... | 130 | 125 | 127 |
| Garstang (Grizedale Reservoir) ... | 120 | 115 | 118 |
| Wakefield (Clarence Park) ... ... | 100 | 62 | 81 |
| Hull (Pearson Park) ... ... ... | 83 | 94 | 89 |
| Felixkirk (Mount St. John) ... ... | 107 | 102 | 104 |
| York (Museum) ... ... ... | 110 | 93 | 101 |
| Scarborough ... ... ... ... | 92 | 105 | 98 |
| Middlesbrough (Albert Park)... ... | 99 | 94 | 97 |
| Baldersdale (Hury Reservoir)... ... | 114 | 83 | 101 |
| Newcastle (Leazes Park) ... ... | 81 | 85 | 83 |
| Bellingham (High Green) ... ... | 95 | 97 | 96 |
| Ilderton (Lilburn Tower Gardens) ... | 87 | 108 | 97 |
| Geltsdale ... ... ... ... | 109 | 103 | 106 |
| Keswick (High Hill) ... ... ... | 111 | 125 | 116 |
| Ravenglass (The Grove) ... ... | 124 | 98 | 112 |

| Station† | Winter Oct. 1951 Mar. 1952 | Summer Apl. 1952 Sep. 1952 | Year Oct. 1951 Sep. 1952 |
|---|---|---|---|
| Abergavenny (Larchfield) ... ... | 100 | 132 | 113 |
| Ystalyfera (Wern House) ... ... | 96 | 100 | 98 |
| Cardiff (Penylan) ... ... ... | 86 | 128 | 104 |
| Llanddeusant (Pontcrynfe) ... | 101 | 112 | 105 |
| Tenby (The Priory) ... ... | 85 | 126 | 102 |
| Birmingham W.W. (Tyrmynydd) ... | 100 | 98 | 99 |
| Lake Vyrnwy (Experimental Station) | 117 | 99 | 110 |
| Blaenau Festiniog (Oakeley Quarry) | 104 | 81 | 94 |
| Aberdovey (Plâs Penhelig) .. ... | 96 | 95 | 96 |
| Llandudno (Cricket Ground) ... | 118 | 103 | 111 |
| Llanerchymedd (Llwydiarth Esgob) | 111 | 103 | 108 |
| Douglas (Borough Cemetery) ... | 97 | 100 | 98 |
| Newton Stewart (Little Barraer) ... | 97 | 84 | 92 |
| Dumfries (Crichton Royal Institute) | 110 | 97 | 104 |
| Eskdalemuir Observatory ... ... | 99 | 93 | 96 |
| Crailing... ... ... ... ... | 77 | 86 | 81 |
| Stobo Castle ... ... ... | 106 | 98 | 103 |
| Marchmont House ... ... ... | 68 | 88 | 77 |
| North Berwick Reservoir ... ... | 69 | 90 | 79 |
| Edinburgh (Blackford Hill) ... | 87 | 105 | 96 |
| Hamilton W.W. (Townhill) ... | 93 | 98 | 95 |
| Colmonell (Knockdolian) ... ... | 93 | 94 | 93 |
| Glen Afton (Ayr Sanatorium) ... | 121 | 92 | 109 |
| Greenock (Prospect Hill) ... ... | 103 | 97 | 101 |
| Rothesay (Ardencraig) ... ... | 116 | 99 | 108 |
| Morvern (Drimnin) ... ... | 104 | 101 | 103 |
| Lochgilphead (Poltalloch) ... ... | 121 | 101 | 112 |
| Inveraray Castle Gardens ... ... | 106 | 92 | 101 |
| Islay (Eallabus) ... ... ... | 114 | 102 | 109 |
| Tiree Airport ... ... ... | 117 | 88 | 105 |
| Loch Leven Sluice ... ... ... | 87 | 92 | 89 |
| Leuchars Airfield ... ... ... | 89 | 85 | 87 |
| Loch Dhu ... ... ... ... | 93 | 77 | 87 |
| Crieff (Strathearn Hydro) ... ... | 88 | 85 | 87 |
| Fincastle House ... ... ... | 104 | 88 | 97 |
| Montrose (Sunnyside Asylum) ... | 107 | 87 | 97 |
| Braemar ... ... ... ... | 93 | 81 | 88 |
| Dyce (Craibstone) ... ... ... | 114 | 107 | 111 |
| New Deer (School House)... ... | 113 | 112 | 112 |
| Fochabers (Gordon Castle) ... | 104 | 107 | 105 |
| Nairn (Achareidh) ... ... ... | 102 | 87 | 94 |
| Glenshero ... ... ... ... | 94 | 97 | 95 |
| Loch Ness (Garthbeg) ... ... | 90 | 114 | 100 |
| Loch Quoich (Glenquoich)... ... | 92 | 108 | 98 |
| Onich... ... ... ... ... | 104 | 103 | 103 |
| Fort William (Teviot) ... ... | 94 | 95 | 94 |
| Skye (Broadford) ... ... ... | 100 | 99 | 99 |
| Skye (Duntulm, Kilmuir) ... ... | 106 | 109 | 107 |
| Tain (Tarlogie House) ... ... | 98 | 78 | 89 |
| Inverbroom (Glackour) ... ... | 119 | 112 | 116 |
| Achnashellach ... ... ... | 99 | 116 | 105 |
| Loch Shin (Corrykinloch) ... ... | 127 | 114 | 122 |
| Lochinver (Bank House) ... ... | 114 | 134 | 122 |
| Wick Airport ... ... ... | 113 | 93 | 104 |
| Lerwick Observatory ... ... | 120 | 141 | 128 |
| Newtownbutler (Crom Castle) ... | 84 | 75 | 80 |
| Armagh Observatory ... ... | 111 | 74 | 92 |
| Seaforde ... ... ... ... | 79 | 80 | 80 |
| Aldergrove Airfield ... ... | 92 | 78 | 86 |
| Ballymena (Harryville) ... ... | 98 | 94 | 96 |
| Garvagh (Moneydig) ... ... | 116 | 91 | 105 |
| Londonderry (Creggan Reservoir) | 105 | 90 | 98 |
| Omagh (Edenfel) ... ... ... | 98 | 75 | 87 |

† For Counties see Table 8D.

The *winter half-year* included two very dry months, October, 1951, and February, 1952, and a very wet month, November, 1951. The remaining months had rather more than the average, so that the total rainfall of the winter half-year was close to the average. The rainfall of the winter half-year was exceeded in four of the previous ten years over England and Wales, in three over Scotland and in six over Northern Ireland. The map shows that there was more than the average rainfall over the south-east and north-west of England and Wales, over west and north-east Scotland, and over much of Northern Ireland. The extreme percentage range was from 130 at Stonyhurst College, in Lancashire—the lowest maximum recorded in the country since the winter of 1945-46—to 68 at Marchmont House in Berwickshire.

Over England and Wales, four months, April, May, August and September, during the *summer half-year*, had more than the average rainfall. Over Scotland only June and August, and over Northern Ireland August alone, were wetter than average, so that the total rainfall was less than average. Over England and Wales there had been only four wetter summers since that of 1936, but over Scotland and Northern Ireland only one summer, that of 1949, had been drier since 1941. It will be seen from the map that more than the average rainfall occurred mainly over the south-west and north-west of England and Wales, and over north-west Scotland. Ilfracombe reported the highest percentage value, 147, or 7·17 inches in excess of average, of which 3·46 inches was contributed by August 15, a day of disastrous flooding in the region. The lowest percentage value, 62, occurred at Wakefield, with 4·74 inches less than average.

For the *seasonal year* the percentage values ranged from 131 at Porton, Wiltshire, to 77 at Marchmont House, which gave the lowest value in the winter half-year. Over England and Wales there was less rainfall in a seasonal year as recently as that of 1948-49, over Scotland a drier year had not occurred since 1946-47, and over Northern Ireland since 1932-33.

It is of interest to note that over England and Wales during the last ten years the total rainfall has been less than average during the winters, but more during the summers, whereas during the previous decade wet winters and dry summers prevailed.

**Table 9B General Values of Seasonal Rainfall, 1951-52**

| Country | Winter Oct. 1951-Mar. 1952 | Summer Apr. 1952-Sep. 1952 | Year Oct. 1951-Sep. 1952 |
|---|---|---|---|
| | % | % | % |
| England .. .. .. .. | 102 | 104 | 103 |
| Wales .. .. .. .. .. | 101 | 108 | 104 |
| England and Wales .. .. | 102 | 104 | 103 |
| Scotland .. .. .. .. | 102 | 98 | 100 |
| Northern Ireland .. .. | 98 | 82 | 90 |

# 10 The Total Fall of Rain in 1952

The General Table, which forms Part II of this volume, gives the total rainfall for the year at nearly 5,000 stations in Great Britain and Northern Ireland. As many of these totals as practicable have been plotted on a base map on a scale of 16 miles to an inch. The distribution of rainfall has been shown on the map by isohyetal lines or lines of equal rainfall. As the distribution is affected by the orography of the country, the maps of different years resemble each other in their general features. Differences are noticeable only after detailed examination and comparison. The characteristics of a particular year are brought out better by a percentage map, such as that reproduced as a frontispiece to this volume, on which is shown the percentage ratio of the year's rainfall to the local average. The tints on this map are such that blue denotes regions where the 1952 rainfall exceeded the average for the standard period 1881–1915, while red indicates areas with rainfall below this average. Isopleths on the 1952 map are drawn through places where the values of rainfall were respectively 80, 90, 100, 110 and 120 per cent of the average values. The statistics upon which the map is based are set out in Tables 8D and 10B.

The map reproduced as a frontispiece to this volume shows that in 1952 more than the average rainfall occurred over most of the south of England and Wales; much of north Scotland; an area from north Staffordshire to east Lancashire; the coasts of Yorkshire and Northumberland; most of Arran and Kintyre, and Londonderry.

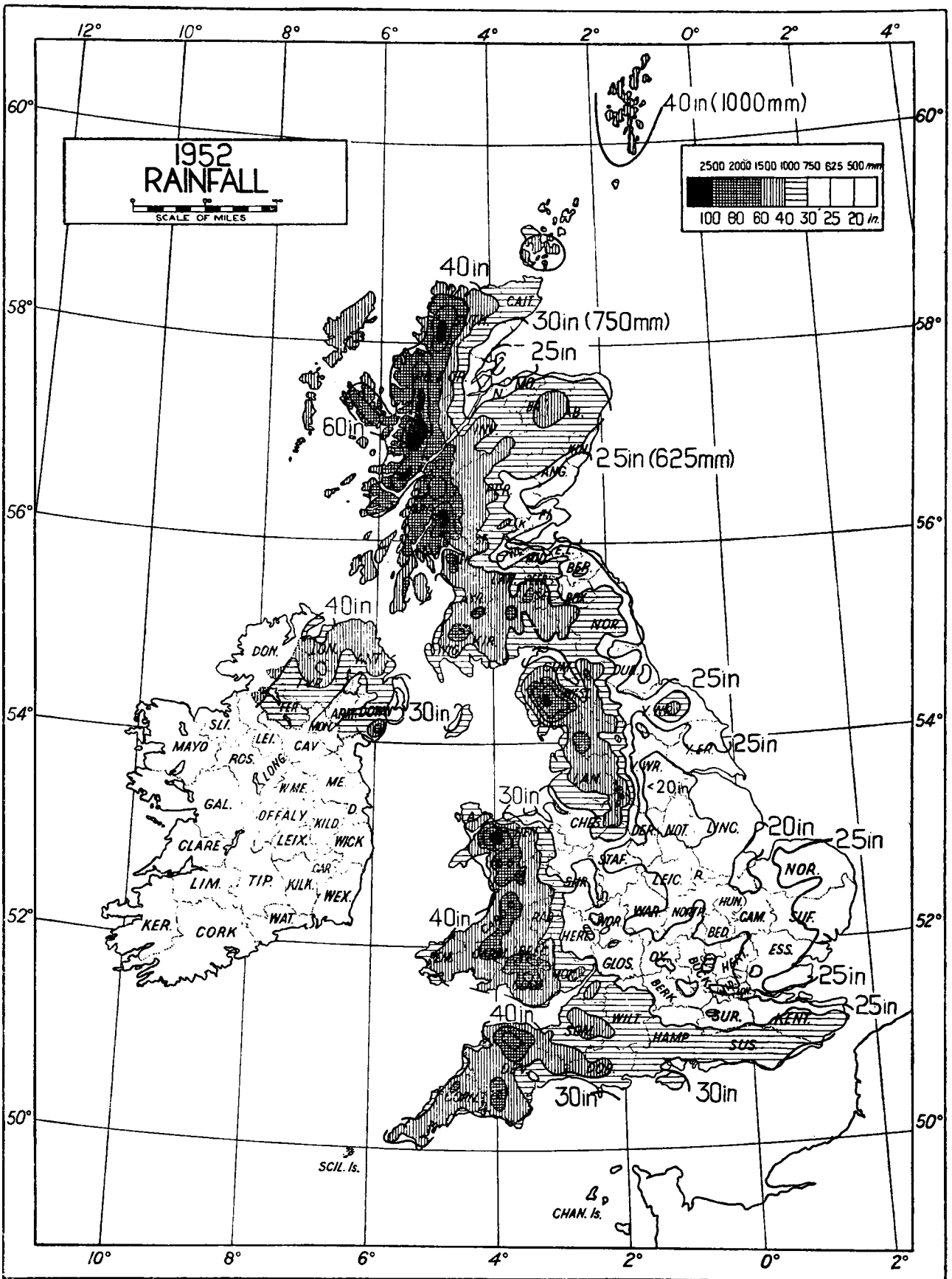
There was more than 120 per cent of the average rainfall over Exmoor and north-west Scotland, and also in a few small areas over south England. Less than 90 per cent of average occurred in two main areas: from Lincolnshire to south-west Scotland and the south of Northern Ireland; and from the Grampians across the Central Lowlands of Scotland to Edinburgh and south of Glasgow. Values below 80 per cent were reported at Lincoln and Wakefield, in the north Pennines, at Newton Stewart and New Galloway, and over most of Perthshire and south Angus.

The smallest annual percentage shown in Tables 8D and 10B is 72 at Wakefield—1952 was the driest year over the West Riding of Yorkshire since 1921; the largest percentage, 124, occurred at Bradwell-on-Sea, Essex, and at Ventnor, which received as much as 156 per cent in 1951.

The percentage values of 215 stations are used to derive general values of rainfall for the year over the larger divisions of the country. These values are set out in Table 10A.

**Table 10A General Rainfall, 1952, compared with average**

| Countries | No. of Stations | Average 35 years 1881-1915 | 1952 | |
|---|---|---|---|---|
| | | | Per cent | Rainfall |
| | | in. | | in. |
| England ... | 122 | 32·67 | 101 | 33·0 |
| Wales ... ... | 18 | 50·14 | 99 | 49·4 |
| England & Wales | 140 | 35·23 | 101 | 35·5 |
| Scotland ... | 63 | 50·32 | 94 | 47·1 |
| Northern Ireland | 12 | 39·66 | 91 | 36·0 |
| Whole area ... | 215 | 40·33 | 98 | 39·5 |


1952
RAINFALL
SCALE OF MILES
40in (1000mm)
2500 2000 1500 1000 750 625 500 mm
100 80 60 40 30 25 20 in.
40in
30in (750mm)
25in
60in
25in (625mm)
40in
30in
25in
25in
30in
<20in
20in
25in
40in
25in
25in
40in
30in
30in
SCIL. Is.
CHAN. Is.
12° 10° 8° 6° 4° 2° 0° 2° 4°
60° 58° 56° 54° 52° 50°
CAIT. MOR. NAIR. INV. ARG. ABD. BEB. NOR. DUR. WES. LAN. CHES. DER. NOT. LYNC. STAF. SHR. LEIC. R. NOR. HUN. CAM. SUF. ESS. WAR. NORF. BED. HERTS. GLOS. OX. BUCK. HERT. MID. BERK. WILT. SUR. KENT. HAMP. SUS.
DON. SLI. LEI. MAYO ROS. CAV. LONG. WME. ME. GAL. OFFALY KILD. D. CLARE LEIX. WICK. CAR. LIM. TIP. KILK. WEX. KER. CORK WAT.

*The equivalent values in mm are given in round numbers. The exact relation is 10in = 254mm.*

Table 10A shows that over England and Wales 1952 was slightly wetter than average, with an excess of ·3 inches; but it was drier than average over Scotland by 3·2 inches, and over Northern Ireland by 3·7 inches. Over England and Wales the two previous years were wetter, but 1952 was the driest year over Scotland since 1941, and over Northern Ireland since 1933.

The general rainfall of 1952 was less than that of 1951 by 8·2 inches over England and Wales, 7·7 inches over Scotland and 4·4 inches over Northern Ireland.

The general distribution of the actual rainfall in 1952 as shown on the accompanying map is similar in its main features to that of other years. Falls of less than 30 inches occurred over most of the Midlands and the east of England, along the east coast of Scotland, and over parts of Northern Ireland; while values below 20 inches were reported, in places, from Cambridgeshire to the West Riding of Yorkshire, at North Berwick and at Tarbatness between the Moray and Dornoch Firths. Falls in excess of 120 inches were reported on Snowdon, in the Lake District and in the south of Ross and Cromarty. The largest total reported is that of 146·10 inches at Snowdon (Grib Goch), but complete data for the Seathwaite area are not available for 1952.

Among the largest totals recorded for the year, the following are of interest:—

| | | *In.* |
|---|---|---|
| England .. .. | Cumberland, Borrowdale (Stockley Bridge) .. | 123·25 |
| Wales .. .. | Caernarvonshire, Snowdon (Grib Goch) .. .. | 146·10 |
| Scotland .. .. | Ross & Cromarty, Glenshiel (Kyle) .. .. | 134·11 |
| Northern Ireland .. | County Down, Mourne Mts. (Lough Shannagh) .. | 62·10 |

Notable among the smallest totals during the year were:—

| | | |
|---|---|---|
| England .. .. | Yorkshire, W.R., Kirk Bramwith .. .. .. | 15·79 |
| Wales .. .. | Flintshire, Rhyl (Westbourne Avenue) .. .. | 22·40 |
| Scotland .. .. | Ross and Cromarty, Tarbatness .. .. .. | 18·42 |
| Northern Ireland .. | County Antrim, Grey Abbey (Hollowdene) .. | 25·40 |

## Table 10B Rainfall of 1952 as Percentage of Average, 1881-1915 *

| County | Station | Per cent of Average | County | Station | Per cent of Average |
|---|---|---|---|---|---|
| | ENGLAND | | | | |
| Surrey ... | Reigate (Wray Park Road) ... | 94 | Yorks, W.R. | Skipton (Chelker Reservoir) | 96 |
| Kent ... | E. Malling (Research Stn.) | 101 | ,, | Harrogate (Harlow Moor Obsy.) | 82 |
| ,, ... | Bromley ... ... ... | 108 | Yorks, E.R. | Lowthorpe (The Elms) ... | 107 |
| Sussex ... | Patching Farm ... ... | 99 | ,, N.R. | Leyburn (Bolton Hall) ... | 80 |
| ,, ... | Horsham (Wimblehurst) ... | 102 | ,, | Guisborough (Lockwood Res.) | 104 |
| ,, ... | Eastbourne (Wilmington Sq.) | 99 | Durham | Barnard Castle (Bowes Museum) | 76 |
| Hampshire | Calshot ... ... ... | 109 | ,, | Durham (Houghall Hort. Stn.) | 92 |
| ,, | Portsmouth (Southsea Common) | 102 | Northumb. | Hallington (Fawcett) ... | 91 |
| ,, | South Farnborough (R.A.E.) | 103 | ,, | Morpeth (Cockle Park) ... | 102 |
| Hertford | Harpenden (Rothamsted) ... | 104 | ,, | Howick Hall Gardens ... | 105 |
| Buckingham | Oving House ... ... ... | 98 | Cumberland | Borrowdale (Seathwaite) ... | 88 |
| Northampton | Kettering (Sewage Works) ... | 107 | Westmorland | Patterdale Hall ... ... | 91 |
| Bedford | Woburn (Experimental Farm) | 110 | | | |
| Cambridge | Cambridge (Botanic Gardens) | 101 | | WALES | |
| Essex ... | Bradwell-on-Sea (Bellropes) | 124 | Glamorgan | Treherbert (Tyn-y-waun) ... | 94 |
| ,, ... | Halstead (The Brewery) ... | 103 | Carmarthen | Llanelly (Cwmlliedi W.W.)... | 101 |
| Norfolk... | Sprowston ... ... ... | 102 | Pembroke | Pembroke (Stackpole Court) | 99 |
| ,, ... | Cromer (Howards Hill) ... | 102 | Cardigan | Aberporth ... ... | 113 |
| ,, ... | Thetford (Waterworks) ... | 100 | Montgomery | Welshpool (County School) | 90 |
| Wiltshire | Larkhill (School of Artillery) | 120 | Flint | Bodfari (Nantlys) ... ... | 95 |
| ,, ... | Marlborough College ... | 109 | Denbigh | Wrexham (Pack Saddle Res.) | 111 |
| Dorset ... | Evershot (Melbury House) ... | 104 | | | |
| Devon, S. | Plymouth (The Hoe) ... | 106 | | SCOTLAND | |
| ,, ... | Princetown (H.M. Prison) ... | 95 | Wigtown | Port William (Monreith) ... | 84 |
| ,, N. | Torrington (Caynton House) | 116 | Kirkcudbright | Dalry (Forrest Lodge) ... | 80 |
| Cornwall | Newquay (Mount Wise) ... | 103 | Dumfries | Canonbie (Irvine House) ... | 86 |
| ,, | Falmouth Observatory ... | 107 | Selkirk ... | Ettrick Manse ... ... | 85 |
| Somerset | Bath (Henrietta Park) ... | 120 | Midlothian | Moorfoot Hills (Rosebery) | 93 |
| ,, | Long Ashton (Research Stn.) | 112 | ,, | West Calder (Addiewell) ... | 83 |
| ,, | Street (Millfield) ... ... | 118 | Ayr ... | Prestwick ... ... ... | 99 |
| ,, | Milverton (Spring Grove) ... | 121 | Renfrew | Paisley W.W. (Back Th'lymuir) | 97 |
| Gloucester | Cheltenham (Montpellier Gdns) | 93 | Argyll ... | Carradale (Torrisdale Castle) | 100 |
| Hereford | Ross-on-Wye ... ... | 100 | ,, ... | Loch Eck (Benmore) ... | 94 |
| Stafford | Longton (The Meir) ... ... | 101 | ,, ... | Colonsay ... ... ... | 98 |
| Worcester | Stourport (Lincombe Lock) | 105 | Perth ... | Glengyle ... ... ... | 77 |
| Warwick | Ryton-on-Dunsmore ... | 98 | ,, ... | Perth (Wellshill Cemetery) ... | 75 |
| Lincoln | Spalding (Pode Hole) ... | 97 | Angus ... | Kirriemuir (Lintrathen) ... | 86 |
| ,, ... | Cranwell Airfield ... ... | 95 | Aberdeen | Logie Coldstone School ... | 99 |
| ,, ... | Revesby Reservoir ... ... | 91 | Banff ... | Banff ... ... ... ... | 107 |
| ,, ... | Lincoln (Skellingthorpe Hall) | 81 | ,, ... | Ballindalloch | 107 |
| ,, ... | Brigg (Wrawby Road) ... | 86 | Inverness | Inverness (Culduthel Res.) ... | 93 |
| ,, ... | Cleethorpes (Kings Parade) | 91 | ,, | Arisaig House ... ... | 99 |
| Nottingham | Nottingham (The Castle) ... | 97 | Sutherland | Cape Wrath ... ... | 120 |
| Cheshire | Northwich (Hunts Lock) ... | 95 | | | |
| Lancs, C. | Wigan W.W. (Worthington) | 107 | | NORTHERN IRELAND | |
| ,, N. | Barrow-in-Furness (Gas Wks.) | 92 | Down ... | Waringstown (The Forge) ... | 83 |
| ,, | Morecambe ... ... ... | 104 | Antrim ... | Belfast (Queen's University) | 91 |
| Yorks, W.R. | Sheffield (Weston Park) ... | 90 | Londonderry | Glenedra Lodge ... ... | 93 |
| ,, | Goole ... ... ... ... | 92 | Tyrone ... | Sion Mills (Sion House) ... | 95 |
| ,, | Huddersfield (Oakes) ... | 96 | | | |

* See also Table 8D, pp. 74-77.

# 11 Evaporation and Percolation in 1952

The purpose of this section is to bring together certain groups of data which have some bearing on the subsequent history of the water which reaches the surface as precipitation. These data, derived from measurements of evaporation, percolation and drainage, are unfortunately of limited value for two reasons. The network of observing stations is in the first place very sparse. Secondly, each type of observation has its own special problems which make it difficult to relate the small-scale experimental measurements with the corresponding large-scale processes in nature. Any interpretation of the data must therefore be undertaken with caution and with careful attention to differences between the conditions of observation and the natural conditions occurring over wide and varied areas.

The *evaporation gauges* in use are square tanks sunk in the ground, and the evaporation measured is that from a free water surface. A description of the standard gauge and of the procedure followed in measuring evaporation appeared in *British Rainfall* 1939 and in earlier volumes. Of the 15 stations for which data are available (Table 11B), 13 have the standard gauge, though 2 of these project 6 inches above the ground instead of the standard 3 inches; the gauges at the other 2 stations are smaller than the standard. Problems associated with this method of measuring evaporation are of three kinds:

(i) The difficulty of the measurement itself, i.e. of obtaining an observation which is valid for such a gauge in its particular locality.

(ii) The considerable doubt as to how far measurements from a small tank can be satisfactorily related to the amount of natural evaporation from large bodies of water.

(iii) The problem of relating evaporation from a free water surface to that which occurs from other natural surfaces, in particular from areas of bare soil, or from vegetated tracts of country for which transpiration by plants is the most important process.

It is well to bear in mind an important basic limitation, coming under heading (i), that in order to obtain the amount of water added to the tank by precipitation, a rain-gauge must be satisfactorily exposed on the same site. This imposes the condition that the site must not be seriously over-exposed, and for this reason evaporation data of this type cannot be applied in localities subject to strong winds.

The distribution of *percolation gauges* is even sparser than that of evaporation gauges and the instruments have not been standardized. Essentially such a gauge consists of a vertical core passing through the soil, separated by an impermeable wall from its environment, but representative of the soil, and therefore as far as possible, not disturbed from its natural state. Part of the precipitation which falls on the exposed face of the core evaporates from the soil, or reaches the atmosphere again through the transpiration of any crop growing on the gauge. The remainder percolates to the base of the core, where the gauge is completed by a suitable vessel for collecting the water to be measured.

It has been reasonably suggested that with a bare soil surface the core should go down at least 20 inches, and with a cropped surface at least 20 inches below the greatest depth of rooting of the crop. The latter condition is not always observed. Where a gauge is too shallow a restriction is imposed on the action of the soil or the roots of the crop, so that the difference between rainfall and percolation does not

attain the maximum which is possible under the given external conditions. This difference, referred to as calculated evaporation (Table 11C), is not immediately comparable, even when correctly measured, with the evaporation observed from an evaporation gauge. For much of the time there is no approach to the condition of a free water surface, and during prolonged dry periods the core of the gauge may become so dried out that little or no evaporation (or transpiration) is possible. In dry years calculated evaporation falls short of a tank measurement to a very marked degree, especially when the driest months coincide with the warmest. Moreover, though the calculated evaporation can generally be safely used for a complete calendar year, since the core will normally be saturated both at the beginning and the end of the period, it cannot be used in the same way for individual months (or for mean values for a particular month) because of the large variations which are possible in the amount of water stored in the core at different times of the year. A percolation gauge is subject to the same limitation as an evaporation gauge in that a rain-gauge must be satisfactorily exposed on the same site. Data are available for 10 gauges at 4 different stations (Table 11C).

Six instruments, referred to collectively as *drainage gauges*, have been set up at Prescot, Lancashire, and Lake Vyrnwy, Montgomeryshire, under the authority of the Engineer, Liverpool Corporation Waterworks. The two gauges at Prescot and two of the four at Lake Vyrnwy are virtually percolation gauges as described above, except that the cores are limited to the depth of the " productive soil ", 11 inches at Prescot and 9 inches at Lake Vyrnwy. In each of them the column of soil is supported by fine woven wire mesh on a funnel-shaped concrete base, from which a vertical pipe leads to a glass collecting vessel in a chamber underneath. The gauges are referred to as *seepage gauges* (Table 11D), and at both Prescot and Lake Vyrnwy one has a surface which is kept bare and weeded, while the other is under the original growth of grass, cut when necessary to maintain a height of about 2 inches.

The other two instruments at Lake Vyrnwy are referred to as *percolation gauges* (Table 11D), following the usage of the responsible authority, but they differ from those described above in that an attempt is made to reproduce two stages in the flow of underground water. The first stage corresponds with that reproduced in the seepage gauge (with a grassed surface). For the second stage the water draining from the base of the seepage column is led to the base of a cylinder 6 feet deep through which it percolates upwards through a chalk core covered by exposed soil. This soil face is lower than the bottom of the seepage column and the resultant drainage flows out through a pipe fixed just below the soil surface at the top of the percolation column. It is then collected and measured, the result being expressed in inches depth of water (with allowance for the fact that the collecting area consists of two exposed surfaces).

These two percolation gauges (or combined seepage-percolation gauges) were designed to simulate the processes which operate in the formation of a spring; both are constructed in the same way and give records in close agreement. It seems doubtful whether a natural spring can be represented on such a small scale, and it has been noted that the quantity of water flowing through the pipe fixed at the top of the percolation column is much the same as that which leaves the base of the seepage column, as measured by the single-stage seepage gauge. Even if the difference between the two amounts could be considered significant it would be difficult to define its physical meaning, although when these experiments were designed this difference was intended to show any evaporation from ground-water discharge.

These drainage gauges are subject to the same limitation as evaporation and percolation gauges, since the satisfactory determination of rainfall is always a necessary part of the observations. At Prescot and Lake Vyrnwy

all six instruments have their exposed surfaces level with the surroundings, and the rim of the cast iron cylinder enclosing the core projects in each case 1 inch above the ground. The rain-gauges used for comparative readings are also sunk in the ground with their rims 1 inch above the surface, and the amounts of rainfall recorded can be expected to be somewhat greater, during most falls, than those which would be obtained with a gauge at the normal setting (rim 1 foot above the ground). Such a difference is likely because of in-splashing with the rain-gauge at the lower level and has been confirmed at Lake Vyrnwy, although precaution is taken to avoid in-splashing, by the provision of felt around the gauge. With the drainage gauges it may be supposed that in-splashing is more or less balanced by out-splashing, so that it is arguable that comparison with a rain-gauge set normally might be preferable. This assumption is made for the percolation gauges grouped in Table 11C.

A further point with regard to all these data is that the observations from evaporation, percolation and drainage gauges may be truly representative, at best, for only a small area near the immediate site. With the last two types of measurement this circumstance must be especially emphasized. There can be considerable variations in soil and sub-soil conditions within short distances, and where the percolation or drainage gauge carries a crop the representative nature of the readings may also depend on the vigour of its growth in comparison with that of similar neighbouring crops. Moreover a percolation or drainage gauge cannot be constructed to provide any representative allowance for surface run-off which is very often a factor of some importance when considering any large natural surface.

*Data for* 1952.

Monthly and annual values of evaporation, as recorded at 15 stations in Great Britain, are given in Table 11B. The list of stations is the same as in 1951 except that the record for Rye ceased during the year.

For the year as a whole temperature was slightly below average and sunshine in most districts was above, but there were considerable variations from month to month, and from district to district. Much the greater part of annual evaporation occurs during the summer half-year and during this period temperatures were mainly above average except in September; April and May were notably warmer than average for the whole of Britain, with the excess in July ranking next. For this season again, April and May were the outstandingly sunny months in England and Wales, April and July in Scotland. These characteristics are to a great extent reflected in the evaporation data with the relatively high values for May and July. It is surprising that the excess evaporation in April does not show up in similar degree. This may in part be explained, however, by the fact that, though the month was on the whole warm, the very warm spell during the third week was fairly brief and was associated with light winds and rather high humidity, while the first week was cool.

The annual total of evaporation for Bartley was the lowest since 1937, and that for Harrogate the lowest since 1919. All the other values fell within the ranges which have been reported during recent years at the respective stations and are not remarkable.

*Evaporation* at *Camden Square* (*London*). Table 11A gives the monthly and annual extremes of evaporation over the 68 years 1885-1952.

At a meeting of the British Rainfall Organization Fund Committee of the Royal Meteorological Society, held in November 1952, it was decided with regard to observations of evaporation at Camden Square that "this long record had served its useful purpose" and it was recommended that "the

**Table 11A Evaporation at Camden Square (London)**

| | *Jan.* | *Feb.* | *Mar.* | *Apr.* | *May* | *Jun.* | *Jul.* | *Aug.* | *Sep.* | *Oct.* | *Nov.* | *Dec.* | *Year* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Average* 1885–1919 | ·10 | ·25 | ·66 | 1·51 | 2·43 | 2·91 | 2·97 | 2·33 | 1·38 | ·62 | ·25 | ·09 | 15·50 |
| *Monthly Extremes* 1885–1952 | | | | | | | | | | | | | |
| | *Jan.* | *Feb.* | *Mar.* | *Apr.* | *May* | *Jun.* | *Jul.* | *Aug.* | *Sep.* | *Oct.* | *Nov.* | *Dec.* | *Year* |
| Largest (in.) | ·26 | ·64 | 1·22 | 2·48 | 3·50 | 4·36 | 4·86 | 4·24 | 2·38 | 1·26 | ·43 | ·32 | 21·58 |
| Year | 1903 1949 | 1895 | 1945 | 1949 | 1952 | 1950 | 1949 | 1951 | 1906 | 1951 | 1888 1945 | 1913 | 1949 |
| Smallest (in.) | c·24 | c·18 | ·16 | ·85 | 1·56 | 1·70 | 1·44 | 1·56 | ·68 | ·26 | ·02 | c·14 | 12·60 |
| Year | 1948 | 1951 | 1947 | 1920 | 1898 | 1909 | 1888 | 1941 | 1896 | 1949 | 1892 | 1948 | 1888 |

NOTE : In the Table " c " indicates an excess of condensation over evaporation.

record should be allowed to terminate in December 1955 if no weighty representations are made for its continuance". It was pointed out that the record was representative of evaporation from a relatively sheltered garden, and that the tank, which was brought into use in 1885, must soon be regarded as worn out.

*Percolation gauges.* In Table 11C the data for 10 percolation gauges are given; the list of stations is the same as in 1951. These data were contributed by the Engineer, Portsmouth Water Co.; the Director, Lawes Agricultural Trust; the Managing Director, Cambridge Waterworks Co.; and the Water Engineer, Harrogate Waterworks. In 1952 the mean calculated evaporation was 15·01 inches compared with the mean loss from 15 evaporation tanks of 17·64 inches. This difference of 2·63 in. is more than double that observed in the previous year, but is still less than half that in 1949, a dry year which had the smallest calculated evaporation since 1933. Over much of Britain 1952 was in fact a moderately dry year; moreover in large areas in the southern half of England where there was a slight excess of rainfall over the average, the excess was largely due to a comparatively few heavy rains of a thundery type.

At *Farlington* the percolation gauges gave totals which ranged from 14·84 inches through the 24-inch gauge to 9·30 inches through the 36-inch gauge, corresponding to losses by evapo-transpiration of 14·36 inches and 19·90 inches respectively. There were only four months, June to September, with negligible percolation through any of the gauges, and perhaps the most interesting feature is the difference between the shallowest gauge and the others in October. This difference is continued in reduced degree in November, and there is a difference in the opposite sense in both February and April, after the relatively heavy rains of January and March. There appear to be no significant differences in January and December, as also in December 1951, so that the data for the colder months, when there is very little evaporation, provides some information about the holding capacity of the deeper gauges, and the rates of percolation through them, as compared with the shallower gauges.

At *Rothamsted* the difference between the calculated evaporation obtained from the 20-inch gauge and that from the 60-inch gauge was, as usual, very small. The greatest difference was in September, reflecting the greater holding capacity of the deeper 60-inch gauge, following the heavy rainfall of August.

At *Fleam Dyke* the gauge covered with turf showed appreciably less percolation than the one, otherwise of the same design, which is covered with bare soil. This is the usual difference between the two gauges. As in other years there was practically no percolation through the grassed gauge from May to September, although the rainfall of August amounted to 4·53 inches. The complete loss of such a large monthly rainfall has not been

## Table 11B Evaporation in 1952

| List of Stations | County | Observer | Particulars of Tank | | | |
|---|---|---|---|---|---|---|
| | | | Height above Ground | Height above Sea Level | Side | Capacity |
| | | | ft. in. | ft. | ft. in. | Gals. |
| Camden Square ... ... | London ... ... 2 | Royal Meteorological Society | 0 3 | 111 | 6 0 | 450 |
| Kew Observatory ... ... | Surrey ... ... 5 | Meteorological Office ... | 0 3 | 18 | 6 0 | 450 |
| Rye (R.A.F. Station) ... | Kent ... ... ... 1 | Meteorological Office ... | 0 3 | 12 | 6 0 | 450 |
| Otterbourne ... ... | Hampshire ... ... 5 | J. Hawksley, Esq. ... ... | 0 3 | 112 | 6 0 | 450 |
| Rothamsted... ... ... | Hertfordshire ... 2 | Lawes Agricultural Trust ... | 0 3 | 420 | 6 0 | 450 |
| Ormesby St. Michael ... | Norfolk ... ... 2 | Gt. Yarmouth Waterworks... | 0 3 | 21 | 6 0 | 450 |
| Bartley Reservoir ... ... | Warwickshire ... 4 | C.A.Risbridger,Esq.,M.I.C.E. | 0 3 | 611 | 6 0 | 450 |
| Revesby Reservoir... ... | Lincolnshire ... 3 | D. H. Ball, Esq. ... ... | 0 6 | 124 | 6 0 | 450 |
| Southport ... ... ... | Central Lancashire ... 3 | The Corporation ... ... | 0 3 | 37 | 3 0 | 112 |
| Ardsley Reservoir ... ... | Yorkshire W.R. ... 8 | Wakefield Corpn. Waterworks | 0 3 | 392 | 6 0 | 450 |
| Lower Laithe Reservoir ... | „ „ ... 9 | Keighley Corpn. Waterworks | 0 6 | 772 | 6 0 | 450 |
| Harrogate ... ... ... | „ „ ... 11 | D. G. Davies, Esq., M.I.C.E. | 0 3 | 549 | 6 0 | 450 |
| Lake Vyrnwy (Exp'l Stn.)... | Montgomeryshire ... 5 | Liverpool Corpn. Waterworks | 0 3 | 995 | 6 0 | 450 |
| Wrexham ... ... ... | Denbighshire ... 1 | S. E. Ashmore, Esq. ... | 0 3 | 275 | 4 0 | 300 |
| Talla Water ... ... | Peeblesshire ... 1 | Edinburgh Waterworks ... | 0 3 | 904 | 6 0 | 450 |

| 1952 | Camden Square | Kew | Rye | Otter-bourne | Rotham-sted | Ormesby St. Michael | Bartley | Revesby | South-port |
|---|---|---|---|---|---|---|---|---|---|
| | *in.* | *in.* | *in.* | *in.* | *in.* | *in.* | *in.* | *in.* | *in.* |
| January ... | ·10 | ·48 | ·04 | ·31 | ·23 | ·27 | ·28 | ·04 | ·05 |
| February ... | ·07 | ·38 | ·20 | ·43 | ·35 | ·16 | ·40 | ·17 | ·06 |
| March ... ... | ·63 | 1·15 | ·50 | 1·46 | 1·30 | ·79 | ·83 | ·54 | ·60 |
| April ... ... | 1·74 | 2·06 | 1·91 | 1·90 | 2·06 | 1·36 | 1·43 | 1·41 | 1·34 |
| May ... ... | 3·50 | 3·57 | 3·55 | 2·71 | 3·17 | 2·62 | 2·14 | 2·39 | 2·14 |
| June ... ... | 3·92 | 4·34 | 4·07 | 3·70 | 3·76 | 2·34 | 2·46 | 1·80 | 2·70 |
| July ... ... | 4·52 | 5·09 | 4·38 | 4·22 | 4·31 | 3·15 | 3·51 | 2·41 | 3·05 |
| August ... ... | 2·56 | 3·40 | 3·18 | 3·01 | 3·20 | 2·43 | 2·52 | 2·24 | 2·05 |
| September ... | 1·54 | 2·29 | ... | 1·88 | 2·06 | 1·60 | 1·60 | 1·48 | 1·28 |
| October ... | ·38 | 1·26 | ... | ·99 | ·97 | ·89 | ·64 | ·56 | ·43 |
| November ... | ·07 | ·68 | ... | ·62 | ·48 | ·41 | ·28 | ·22 | ·31 |
| December ... | ·02 | ·35 | ... | ·27 | ·05 | ·23 | ·17 | ·02 | ·06 |
| Year ... ... | 19·05 | 25·05 | ... | 21·50 | 21·94 | 16·25 | 16·26 | 13·28 | 14·07 |
| Average 1908-42 | ... | ... | ... | 19·71 | ... | 17·26 | 17·19 | ... | 15·82 |
| Difference ... | ... | ... | ... | +1·79 | ... | −1·01 | − ·93 | ... | −1·75 |

| 1952 | Ardsley | Lower Laithe | Harro-gate | Lake Vyrnwy | Wrexham | Talla Water | Mean of 15 records* | Average 1908-1942 |
|---|---|---|---|---|---|---|---|---|
| | *in.* | *in.* | *in.* | *in.* | *in.* | *in.* | *in.* | *in.* |
| January ... ... ... | ·31 | ·05 | ·20 | ·44 | ·57 | c ·20 | ·21 | ·14 |
| February ... ... ... | ·54 | ·15 | ·12 | ·36 | ·38 | c ·12 | ·24 | ·29 |
| March ... ... ... | ·86 | ·55 | ·96 | 1·19 | 1·31 | ·56 | ·88 | ·79 |
| April ... ... ... ... | 1·62 | 1·45 | 1·35 | 1·60 | 2·12 | 1·68 | 1·67 | 1·62 |
| May ... ... ... ... | 2·24 | 2·52 | 2·79 | 2·38 | 2·99 | 2·37 | 2·74 | 2·53 |
| June ... ... ... ... | 2·37 | 2·80 | 2·88 | 2·52 | 3·77 | 2·12 | 3·04 | 3·07 |
| July ... ... ... ... | 2·84 | 2·81 | 3·26 | 3·13 | 3·82 | 2·74 | 3·55 | 2·98 |
| August ... ... ... | 2·36 | 2·02 | 2·97 | 2·19 | 3·27 | 1·53 | 2·60 | 2·44 |
| September ... ... ... | 1·55 | 1·22 | 1·44 | 1·17 | 2·11 | ·90 | 1·58 | 1·59 |
| October ... ... ... | ·92 | ·39 | ·95 | 1·12 | 1·52 | ·35 | ·81 | ·84 |
| November ... ... ... | ·54 | ·35 | ·43 | ·77 | ·72 | ·02 | ·42 | ·34 |
| December ... ... ... | ·31 | ·10 | ·07 | ·12 | ·10 | c ·30 | ·11 | ·15 |
| Year ... ... ... | 16·46 | 14·41 | 17·42 | 16·99 | 22·68 | 11·65 | 17·64 | 16·78 |
| Average 1908-42 ... ... | 17·59 | 15·10 | 19·53 | ... | ... | ... | ... | ... |
| Difference ... ... ... | −1·13 | − ·69 | −2·11 | ... | ... | ... | ... | ... |

NOTE : In the Table " c " indicates an excess of condensation over evaporation. * Rye record terminated in September.

## Table 11c Rainfall, Percolation and Calculated Evaporation in 1952

| 1952 | Farlington, Hants Gauges 36-inch diameter | | | | | | Rothamsted, Herts $\frac{1}{1000}$ acre gauges | | | Fleam Dyke, Cambs $\frac{1}{1000}$ acre gauges | | | Harrogate Yorks 3 ft. × 3 ft. × 3 ft. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Rainfall | Percolation 24″ Chalky Marl** | Percolation 36″ Chalky Marl** | Percolation 48″ Chalky Marl** | Percolation 36″ Sand‖ | Percolation 36″ Chalk‖ | Rainfall† | Percolation* 20″ Soil | Percolation* 60″ Soil | Rainfall | Percolation 36″* Chalk | Percolation 36″‡ Chalk | Rainfall | Percolation |
| | *in.* | *in.* | *in.* | *in.* | *in.* | *in.* | *in.* | *in.* | *in.* | *in.* | *in.* | *in.* | *in.* | *in.* |
| January .. .. | 2·29 | 1·89 | 1·66 | 1·72 | 1·77 | 1·70 | 1·81 | 1·17 | 1·27 | 1·44 | ·70 | 1·04 | 3·03 | 2·09 |
| February .. | ·61 | ·69 | ·66 | ·98 | ·98 | ·91 | ·65 | ·68 | ·64 | ·64 | ·39 | ·76 | ·47 | ·95 |
| March .. .. | 2·98 | 1·76 | 1·56 | 1·55 | 1·51 | 1·34 | 2·60 | 1·14 | 1·11 | 3·13 | 1·47 | 1·94 | 2·07 | 1·37 |
| April .. .. | 1·64 | ·81 | ·79 | ·90 | ·91 | ·92 | 1·90 | 2·20 | 2·32 | ·97 | ·33 | ·42 | 1·39 | ·53 |
| May .. .. | 2·46 | ·53 | ·54 | ·44 | ·53 | ·46 | 1·66 | ·09 | ·04 | 1·66 | ·05 | ·01 | 1·51 | ·08 |
| June .. .. | 1·29 | ·00 | ·00 | ·01 | ·00 | ·00 | ·72 | ·00 | ·00 | 1·45 | ·24 | ·00 | 1·89 | ·03 |
| July .. .. | ·32 | ·00 | ·00 | ·00 | ·00 | ·00 | ·50 | ·00 | ·00 | ·46 | ·02 | ·01 | 1·44 | ·01 |
| August .. .. | 2·32 | ·00 | ·00 | ·00 | ·00 | ·00 | 4·94 | 2·34 | 2·25 | 4·53 | 2·83 | ·00 | 3·35 | ·37 |
| September .. | 3·86 | ·00 | ·00 | ·00 | ·00 | ·00 | 3·55 | 1·40 | 1·03 | 2·54 | ·44 | ·00 | 3·62 | ·68 |
| October .. .. | 4·07 | 2·25 | ·17 | ·00 | ·00 | ·00 | 2·80 | 1·77 | 1·70 | 1·66 | ·87 | ·16 | 3·36 | 2·14 |
| November .. | 4·39 | 4·11 | 3·82 | 2·08 | 2·38 | 1·27 | 3·96 | 2·51 | 2·58 | 2·80 | 2·53 | 2·97 | 1·71 | 1·43 |
| December .. | 2·97 | 2·80 | 2·64 | 2·76 | 2·81 | 2·70 | 2·82 | 3·55 | 3·44 | 1·98 | 2·12 | 2·30 | 2·08 | 1·52 |
| Year .. .. | 29·20 | 14·84 | 11·84 | 10·44 | 10·89 | 9·30 | 27·91 | 16·85 | 16·38 | 23·26 | 11·99 | 9·61 | 25·92 | 11·20 |
| Calculated Evaporation | .. | 14·36 | 17·36 | 18·76 | 18·31 | 19·90 | .. | 11·06 | 11·53 | .. | 11·27 | 13·65 | .. | 14·72 |

† Values obtained from 5 inch gauge.
* Through bare unworked soil.
** Depths include 12 in. of top soil and turf.
‖ Depths include 6 in. of top soil and turf.
‡ Through turfed soil.

equalled since records for this station were first published (1937). Zero percolation also occurred in August 1941 with 4·36 inches of rain, and in June 1950 with 4·05 inches.

The percolation data for *Harrogate* show no very striking feature. The difference between evaporation measured by the tank and calculated evaporation from the percolation gauge, amounting to 2·70 inches, was of a magnitude which seems quite reasonable.

*Drainage gauges.* The 1952 data for the drainage gauges at Prescot and Lake Vyrnwy, supplied by the Engineer, Liverpool Corporation Waterworks, are set out in Table 11D. The greater seepage through the turfed soil than through the bare at Prescot continued in 1952, a peculiarity which is difficult to explain. At Lake Vyrnwy the difference between the totals for the two seepage gauges, though small, is the more normal and understandable one. The amounts of calculated evaporation at Lake Vyrnwy remain very similar from year to year though the annual rainfall totals cover a wide range. The much larger evaporation at Prescot varies a good deal more.

**Table 11D Drainage Observations in 1952**

| 1952 | Prescot, Lancashire | | | Lake Vyrnwy, Montgomeryshire | | | | |
|---|---|---|---|---|---|---|---|---|
| | Rainfall | Seepage* Gauges | | Rainfall | Seepage* Gauges | | Percolation† Gauges | |
| | | Bare Soil | Turfed Soil | | No. 1 Bare Soil | No. 2 Turfed Soil | No. 3 Grass covered over chalk | No. 4 Grass covered over chalk |
| | in. | in. | in. | in. | in. | in. | in. | in. |
| January .. .. | 3·91 | 3·19 | 3·17 | 10·00 | 9·39 | 8·22 | 8·55 | 8·00 |
| February .. .. | ·84 | 1·03 | 1·04 | 1·80 | 3·70 | 3·29 | 3·36 | 3·77 |
| March .. .. | 2·45 | 1·15 | 1·72 | 3·70 | 2·65 | 2·90 | 2·91 | 2·87 |
| April .. .. | 2·38 | ·10 | ·85 | 3·51 | 1·66 | 2·17 | 2·18 | 2·17 |
| May .. .. .. | 2·65 | 1·15 | 1·45 | 3·65 | 2·03 | 2·27 | 2·09 | 2·16 |
| June .. .. .. | 2·37 | ·23 | ·01 | 2·85 | 1·17 | 1·17 | 1·35 | 1·34 |
| July .. .. .. | 1·43 | ·00 | ·00 | 2·95 | 1·09 | 1·24 | 1·41 | 1·19 |
| August .. .. | 2·30 | ·68 | ·73 | 5·50 | 3·17 | 2·99 | 2·75 | 2·82 |
| September .. | 3·38 | 1·10 | ·88 | 3·98 | 2·51 | 2·72 | 2·71 | 2·80 |
| October .. .. | 5·37 | 3·12 | 3·42 | 11·00 | 9·79 | 10·46 | 10·19 | 10·41 |
| November .. | 3·08 | 2·34 | 2·30 | 4·30 | 3·82 | 3·60 | 3·60 | 3·66 |
| December .. .. | 3·02 | 2·90 | 2·88 | 7·10 | 7·22 | 6·91 | 6·90 | 6·93 |
| Year .. .. .. | 33·18 | 16·99 | 18·45 | 60·34 | 48·20 | 47·94 | 47·73 | 48·12 |
| Soil Evaporation .. | .. | 16·19 | 14·73 | .. | 12·14 | 12·40 | 12·61 | 12·22 |

* The receiving surface of the Seepage gauge is ten times the receiving surface of a 5-inch diameter rain-gauge.
† The receiving surfaces of the Percolation gauge are together thirteen times the receiving surface of a 5-inch diameter rain-gauge.

M.O. 576a.

METEOROLOGICAL OFFICE, AIR MINISTRY

BRITISH RAINFALL ORGANIZATION

# BRITISH RAINFALL, 1952

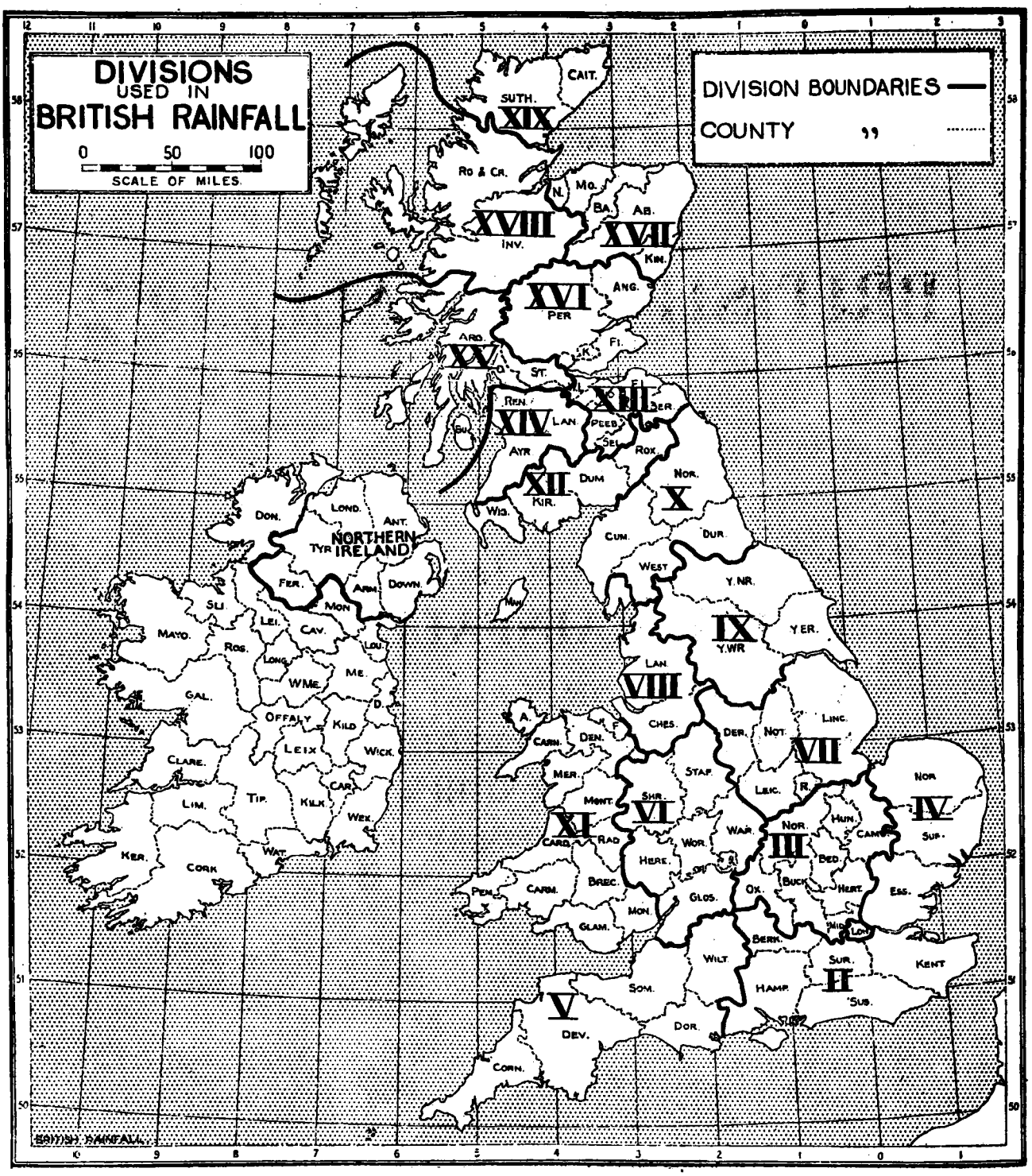
PART II

*General Table of*

## TOTAL RAINFALL IN 1952

AT STATIONS IN GREAT BRITAIN AND NORTHERN IRELAND WITH THE NAMES OF THE OBSERVERS OR OTHER AUTHORITIES FOR THE OBSERVATIONS

18512


DIVISIONS
USED IN
BRITISH RAINFALL
0 50 100
SCALE OF MILES
DIVISION BOUNDARIES
COUNTY
CAIT.
SUTH.
XIX
Ro & Cr.
N.
Mo.
BA.
AB.
XVIII
INV.
XVII
KIN.
ANG.
XVI
PER
ARG.
FI.
XV
ST.
REN.
XIII
DER.
XIV
LAN.
PEEB.
SEL.
ROX.
AYR
XII
DUM
NOR.
KIR.
WIG.
X
CUM.
DUR.
DON.
LOND.
ANT.
NORTHERN
TYR
IRELAND
FER.
ARM.
DOWN.
WEST
Y.NR.
SLI.
MON
LEI.
CAV.
MAYO.
ROS.
LOU.
LONG
WME.
ME.
IX
Y.WR
YER.
GAL.
D.
LAN.
VIII
OFFALY
KILD
A.
CHES.
LINC.
CARM.
DEN.
F.
DER.
NOT.
VII
LEIX
WICK.
CLARE.
MER.
STAF.
NOR
CAR.
MONT.
SHR.
LEIC.
R.
LIM.
TIP.
KILK
WEX.
VI
IV
XI
CARD.
RAD
WOR.
WAR.
NOR.
HUN.
CAMB.
SUF.
KER.
WAT.
CORK
HERE.
III
BED.
PEM.
BREC.
CARM.
OXF.
BUCK.
HERT.
ESS.
GLOS.
MON.
GLAM.
WILT
BERK.
SUR.
KENT
SOM.
HAMP.
II
SUS.
V
DEV.
DOR.
CORN.
BRITISH RAINFALL

# General Table of Total Rainfall in 1952

## EXPLANATORY NOTE

The Divisions of Great Britain in the General Table are the same as those adopted by the Registrars-General of England and Scotland. They are shown on the map facing this page.

The counties are divided up into numbered areas, corresponding to the river-basins. An account of these river-divisions for England and Wales was given in a special article in Part I of *British Rainfall*, 1910 (pp. 37–66), and a similar article on the river-divisions of Scotland and Ireland appeared in Part I of *British Rainfall*, 1911 (pp. 40–72), with detailed maps showing all the river-divisions in each Division. Lists were also included showing the various river-divisions in each of the main catchment areas over the British Isles. The areas of some river basins have been redetermined since these lists were first published. The sequence of river divisions in Great Britain proceeds anti-clockwise from the Solway Firth. For example, in the West Riding of Yorkshire there are four divisions for rivers flowing to the Irish Sea, followed by eight divisions for rivers tributary to the Humber. To the names of river-divisions "& C" is added to indicate "and other streams flowing into the sea," while "& c" means "and some land draining to the main river."

An index of River Basins, indicating the various river-divisions in each county included in the main river-basins of the British Isles, was included after this Explanatory Note in *British Rainfall*, 1937 and 1938.

The stations in each river-division are arranged nearly in the order of their latitude from South to North. For convenience, the first name defining a station is that of a place which can be found on any large scale map; occasionally it is in an adjoining county. The second name is added to fix the site of observation more closely, *e.g.*, "Godalming (Eashing)" means Eashing, near Godalming. There is an exception where the position of stations on open moors can be related better to a waterworks undertaking and in these instances the authority is given initially.

Stations the names of which are printed in small capitals, *e.g.*, KENSINGTON PALACE, are climatological stations reporting to the Meteorological Office.* For the majority of these a summary of the climatological observations is printed in the *Monthly Weather Report*, and the name in small capitals is that used in that publication.

In some cases the records have been received from a local rainfall organization. This has been indicated by a footnote.

The letter D signifies that daily observations have been received and are complete for the year; d, that less complete daily records have been received; w indicates that weekly readings have been received, and M that the gauge is read only once a month, usually on the 1st.

(R) denotes that the gauge is a mechanical one the correct reading of which depends on the mechanism being in working order.

* In the case of Division I small capitals are also used to indicate the names of London Boroughs.

The use of mechanical gauges for measuring the total rainfall is not recommended by the Meteorological Office and the number of records marked (R) is therefore small.

(+A) denotes that the amount of rainfall is taken from an ordinary gauge but that the equipment also includes an autographic instrument.

Gauges which have been inspected and found to be over-exposed on moorland have been so marked. It is likely that there are other gauges (notably some of those at light-houses) which are also over-exposed.

A column giving the annual average rainfall expressed to the nearest tenth of an inch has been included since 1926. The averages are printed in ordinary type if they are either the mean of the annual values for the standard period 1881 to 1915, or, with shorter records, if they have been reduced by accepted methods to the standard period. In such cases all the available information has been used in the computation of the averages, means for stations with short records being weighted to the standard period 1881 to 1915 by comparison with nearby stations with records complete from 1881 to date. Averages determined by authorities other than the Meteorological Office are printed in italics, since they may subsequently be revised. The average is also given in italics if it is the mean for twenty or more years other than the standard period or if the mean has been weighted to some other period. Averages for the standard period of 35 years, 1881 to 1915, are always preferred for entry in the table.

A few entries of total rain will be found in brackets—indicating that the values have been corrected, *e.g.*, when appreciable snow has been lost, when the amount for a short period has been computed from other records, or when the gauge has been moved a short distance during the year. A record is not as a rule printed if the gauge has been moved more than a mile, or if there is a greater difference than 50 ft. of altitude between the two positions.

A note of interrogation(?) implies doubt, not necessarily error. The absence of information is indicated by ...

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# England and Wales

## DIVISION I—LONDON (Area 117 sq. mi.)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Height of Rim above Ground | Height of Ground above Sea Level | Average Rainfall | 1952 Rainfall | Days with ·01 in. or more | Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **1.—THAMES. Right Bank Tributaries. 67 sq. mi.** | | *in.* | *ft.* *in.* | *ft.* | *in.* | *in.* | | |
| | BERMONDSEY | | | | | | | | |
| D | Southwark Park ... ... ... | London County Council ... | 5 | 1 0 | 9 | 24·4 | 22·16 | 152 | 106 |
| | LAMBETH | | | | | | | | |
| D | Brockwell Park ... ... (+A) | London County Council ... | 5 | 1 0 | 144 | 23·8 | 24·08 | 163 | 113 |
| D | Brixton Hill Reservoir ... ... | Metropolitan Water Board | 5 | 1 0 | 121 | 23·9 | 23·15 | 162 | 119 |
| | BATTERSEA | | | | | | | | |
| d | Battersea Park ... ... ... ... | London County Council ... | 5 | 1 0 | 13 | 23·2 | 25·98 | ... | 112 |
| | WANDSWORTH | | | | | | | | |
| D | Streatham (Conyers Road) ... ... | Metropolitan Water Board | 5 | 1 7 | 113 | 23·3 | 23·59 | 147 | 117 |
| D | Streatham Hill Reservoir ... ... | Metropolitan Water Board | 5 | 1 0 | 202 | 23·3 | 23·62 | 158 | 118 |
| D | Putney Heath Reservoir ... (+A) | Metropolitan Water Board | 5 | 1 0 | 184 | ... | 26·25 | 182 | 125 |
| D | Streatham (Furzedown Rec. Ground) | P. V. Marchant, Esq., C.E. | 5 | 1 6 | 89 | 24·7 | 25·69 | 156 | 120 |
| D | Southfields (Coronation Gardens) ... | P. V. Marchant, Esq., C.E. | 5 | 1 6 | 37 | 23·6 | 25·42 | 150 | 115 |
| d | Dulwich (Belair) ... ... ... | J. J. Heasman, Esq. ... | 5 | 1 0 | 150 | ... | 25·37 | ... | 97 |
| | CAMBERWELL | | | | | | | | |
| D | Nunhead Reservoir ... ... ... | Metropolitan Water Board | 5 | 1 0 | 175 | ... | 22·88 | 157 | 107 |
| | DEPTFORD | | | | | | | | |
| D | Telegraph Hill ... ... ... ... | London County Council ... | 5 | 1 0 | 155 | ... | 23·07 | 161 | 107 |
| | GREENWICH | | | | | | | | |
| D | Deptford (Pumping Station) ... (+A) | London County Council ... | 8 | 1 6 | 13 | 22·4 | 22·52 | 147 | 99 |
| D | GREENWICH (Nat. Maritime Museum) | Director, for M.O. ... | 8 | 1 0 | 149 | 23·5 | 22·81 | 146 | 102 |
| | LEWISHAM | | | | | | | | |
| D | Forest Hill Reservoir ... ... (+A) | Metropolitan Water Board | 5 | 1 0 | 339 | ... | 23·48 | 156 | 116 |
| | WOOLWICH | | | | | | | | |
| d | §Eltham (High Street) ... ... (+A) | Metropolitan Water Board | 5 | 1 0 | 245 | 23·2 | 24·98 | ... | ... |
| | **2.—THAMES. Left Bank Tributaries. 50 sq. mi.** | | | | | | | | |
| | KENSINGTON | | | | | | | | |
| D | Campden Hill Reservoir ... ... | Metropolitan Water Board | 5 | 1 0 | 138 | 24·5 | 25·76 | 144 | 108 |
| D | KENSINGTON PALACE ... ... (+A) | Ministry of Works, for M.O. | 5 | 1 0 | 80 | 24·2 | 25·57 | 172 | 116 |
| | HAMMERSMITH | | | | | | | | |
| D | Pumping Station ... ... (+A) | London County Council ... | 5 | 6 0 | 19 | 23·2 | 23·52 | 170 | 114 |
| | FULHAM | | | | | | | | |
| D | Bishop's Park ... ... ... (+A) | Borough Engineer ... ... | 5 | 0 8 | 15 | 22·6 | 24·68 | 172 | 120 |
| | CHELSEA | | | | | | | | |
| d | Physic Garden ... ... ... ... | Curator ... ... ... | 5 | 1 0 | 20 | 23·4 | 24·05 | 158 | 119 |
| | WESTMINSTER | | | | | | | | |
| D | Western (Pumping Station) ... (+A) | London County Council ... | 8 | 1 9 | 16 | ... | 22·85 | 123 | 100 |
| D | Buckingham Palace ... ... ... | Mr. A. J. Cole ... ... | 5 | 8 0 | 35 | 23·5 | 24·61 | 132 | 104 |
| D | ST. JAMES'S PARK ... ... (+A) | Ministry of Works, for M.O. | 8 | 1 0 | 27 | 22·4 | 25·57 | 161 | 124 |
| | ST. MARYLEBONE | | | | | | | | |
| D | REGENT'S PARK... ... ... ... | Ministry of Works, for M.O. | 5 | 1 0 | 129 | ... | 25·51 | 155 | 115 |
| | HAMPSTEAD | | | | | | | | |
| D | Kidderpore Reservoir ... ... ... | Metropolitan Water Board | 5 | 1 0 | 328 | ... | 26·30 | 152 | 120 |
| D | OBSERVATORY ... ... ... (+A) | Hampstead Scientific Society (E. L. Hawke, Esq., M.A.) | 8 | 1 0 | 450 | 26·3 | 25·84 | 178 | 127 |
| D | Golders Hill Park ... ... ... | London County Council ... | 5 | 1 0 | 350 | 26·2 | 28·40 | 164 | 127 |

§ Turf wall round gauge.

## DIVISION I—LONDON—(*contd.*)

| | STATIONS | | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1952 Rainfall | 1952 Days with ·01 in. or more | 1952 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|---|
| | **2.—THAMES. Left Bank Tributaries—(*contd.*).** | | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | ST. PANCRAS | | | | | | | | | |
| D | CAMDEN SQUARE ... ... | (+A) | Royal Meteorological Soc. | 5 | 1 0 | 110 | 24·5 | 24·26 | 162 | 113 |
| | STOKE NEWINGTON | | | | | | | | | |
| D | New River Filter Beds ... ... | | Metropolitan Water Board | 5 | 1 0 | 101 | 23·1 | 24·24 | 143 | 118 |
| D | New River Res. (Lordship Rd.) | (+A) | Metropolitan Water Board | 5 | 1 0 | 105 | 23·5 | 23·40 | 154 | 110 |
| | HACKNEY | | | | | | | | | |
| D | Clapton Pond ... ... ... | (+A) | Borough Engineer ... ... | 5 | 1 0 | 68 | 22·8 | 24·49 | 165 | 113 |
| | FINSBURY | | | | | | | | | |
| d | New River Head ... ... ... | | Metropolitan Water Board | 5 | 1 0 | 95 | ... | 24·44 | ... | ... |
| | BETHNAL GREEN | | | | | | | | | |
| D | Victoria Park ... ... ... ... | | London County Council ... | 5 | 1 0 | 43 | 23·1 | 24·60 | 123 | 106 |
| | POPLAR | | | | | | | | | |
| D | Isle of Dogs (Island Gardens)... ... | | London County Council ... | 5 | 1 0 | 18 | 21·9 | 21·56 | 144 | 103 |
| D | Old Ford (Pumping Station) ... ... | | Metropolitan Water Board | 5 | 0 6 | 18 | 22·9 | 23·13 | 144 | 104 |
| D | Old Ford (Penstock House) ... ... | | London County Council ... | 8 | 0 10 | 39 | 22·4 | 20·07 | 125 | 81 |
| | WOOLWICH | | | | | | | | | |
| D | Barking Outfall ... ... ... | | London County Council ... | 5 | 0 10 | 24 | 20·8 | 19·24 | 147 | 97 |

## DIVISION II—SOUTH-EASTERN COUNTIES

**SURREY. (Area, 725 sq. mi.)**

**1.—ARUN. 45 sq. mi.**

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| D | Chiddingfold (Chiddingfold House) ... | | L. J. E. Hooper, Esq. ... | 5 | 0 11 | 200 | *31·0* | 30·21 | 174 | 128 |
| D | Godalming (Burgate) ... ... ... | | Major J. Godman ... ... | 5 | 1 0 | 320 | ... | 29·55 | 176 | 130 |

**2.—MEDWAY. 50 sq. mi.**

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| D | East Grinstead (Lockeridge) ... ... | | Lt.-Col. J. F. Forbes, D.S.O. | 5 | 1 0 | 320 | *31·6* | 29·83 | 181 | 116 |
| D | Dormans Park (Chartham Park) ... | | I. D. Margary, Esq. ... | 5 | 1 0 | 270 | *31·2* | 30·17 | 184 | 135 |
| D | Dormans Park (Yew Lodge) ... ... | | Mrs. I. D. Margary ... | 5 | 1 0 | 260 | *30·6* | 30·63 | 179 | 136 |
| D | Lingfield (Wembury Park) ... ... | | late C. W. Wheeler, Esq. ... | 5 | 1 0 | 211 | ... | 29·07 | 177 | 135 |
| D | Lingfield (Sewage Works) ... | (+A) | Godstone R.D.C.* ... ... | 5 | 1 0 | 155 | 28·2 | 26·53 | 175 | 128 |
| D | Limpsfield (Red Lane Farm) ... ... | | Capt. B. Crewdson ... | 5 | 1 0 | 281 | ... | 30·85 | 200 | 146 |
| D | Limpsfield & Oxted Sewage Works | (+A) | Godstone R.D.C.* ... | 5 | 1 0 | 236 | ... | 28·80 | 178 | 136 |
| M | Limpsfield (Kent Hatch Reservoir) ... | | East Surrey Water Co. ... | 5 | 1 0 | 664 | ... | 29·84 | ... | ... |

**3.—THAMES. Darent. 22 sq. mi.**

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| D | Westwood (Pumping Station) ... | | East Surrey Water Co. ... | 5 | 1 0 | 418 | 28·5 | 31·31 | 182 | 133 |
| D | Warlingham Park Hospital ... ... | | Croydon Corporation ... | 8 | 1 0 | 600 | 32·0 | 27·85 | 185 | 127 |
| D | Addington (Hares Bank Pump. Stn.) | | Croydon Corporation ... | 8 | 1 0 | 331 | 28·4 | 29·25 | 177 | 129 |
| D | Addington (Abbotswood) ... ... | | H. C. Hawkins, Esq. ... | 5 | 0 11 | 390 | ... | 26·86 | 167 | 123 |
| D | ADDINGTON Hills Reservoir ... ... | | Croydon Corporation ... | 8 | 1 0 | 472 | 27·9 | 28·42 | 173 | 131 |

**4.—THAMES. Wandle. 71 sq. mi.**

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| D | Kingswood (Margery Hall Res.) ... | | Sutton District Water Co. | 5 | 1 0 | 691 | 30·2 | 29·41 | 178 | 133 |
| D | Kingswood (The Chase) ... ... | | H. J. Gosney, Esq. ... | 5 | 1 0 | 550 | ... | 28·17 | 173 | 127 |
| | Woldingham Reservoir ... ... | | East Surrey Water Co. ... | 5 | 1 0 | 841 | 32·9 | 32·70 | ... | ... |
| D | Caterham Reservoir ... ... ... | | East Surrey Water Co. ... | 5 | 1 0 | 704 | 32·5 | 29·80 | 185 | 132 |
| D | Caterham (Alderstead Heath)... | (+A) | Coulsdon & Purley U.D.C.* | 5 | 1 0 | 577 | 31·4 | 30·81 | 196 | 139 |
| D | Chelsham & Woldingham W.W. ... | | East Surrey Water Co. ... | 5 | 1 0 | 478 | 32·5 | 30·55 | 182 | 134 |
| D | Caterham (White Knobs Way) ... | | Miss V. K. Isaac ... ... | 5 | 1 0 | 500 | 32·8 | 32·22 | 194 | 143 |
| D | Banstead (Burgh Heath Reservoir): ... | | Sutton District Water Co. | 5 | 1 0 | 582 | 30·8 | 27·76 | 178 | 129 |
| D | Chipstead (How Green Reservoir) ... | | Sutton District Water Co. | 5 | 1 0 | 528 | 31·1 | 27·95 | 167 | 139 |
| D | Coulsdon (The Vale) ... ... ... | | H. E. W. Hollobone, Esq. | 5 | 1 6 | 318 | ... | 27·30 | 155 | 122 |
| D | Kenley (Pumping Station) ... ... | | East Surrey Water Co. ... | 5 | 1 0 | 275 | 29·0 | 25·71 | 160 | 126 |

* Per Surrey County Council.

## DIVISION II—SOUTH-EASTERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1952 Rainfall | 1952 Days with ·01 in. or more | 1952 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | SURREY—(*contd.*). | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | 4.—THAMES. Wandle—(*contd.*). | | | | | | | | |
| D | Woodcote Park Golf Club | (+A) Coulsdon & Purley U.D.C.* | 5 | 1 0 | 450 | 28·1 | 25·60 | 185 | 137 |
| d | Purley (Selcroft Road) | Miss C. Porter | 5 | 1 0 | 400 | 28·7 | 26·02 | 178 | 120 |
| D | Purley (Woodcote Valley Road) | C. Stuart Bailey, Esq. | 5 | 1 0 | 310 | 29·5 | 26·70 | 168 | 127 |
| D | Purley (Pumping Station) | East Surrey Water Co. | 5 | 1 0 | 214 | 29·3 | 26·33 | 165 | 124 |
| D | SANDERSTEAD | M. J. Rawlinson, Esq. | 5 | 1 0 | 408 | ... | 27·76 | 172 | 127 |
| D | Purley (Pampisford Road) | C. Knight, Esq. | 5 | 0 6 | 250 | ... | 26·72 | 173 | 123 |
| D | Sanderstead (Beechwood Road) | G. M. Davies, Esq.... | 5 | 1 0 | 320 | ... | 26·92 | 162 | 127 |
| D | CROYDON Airport | (+A) Meteorological Office | 5 | 1 0 | 201 | 26·7 | 24·60 | 162 | 119 |
| D | Croydon (Croham Valley Road) | F. A. Reynolds, Esq. | 5 | 1 0 | 350 | ... | 27·97 | 155 | 123 |
| D | Carshalton (Pumping Station) | Surveyor, U.D.C. | 5 | 1 0 | 84 | 25·9 | 24·38 | 153 | 122 |
| D | Beddington (Sewage Farm) | Croydon Corporation | 5 | 1 0 | 129 | 24·5 | 23·78 | 172 | 118 |
| D | Beddington Park | (+A) Borough Council* | 5 | 1 0 | 108 | 24·1 | 25·00 | 167 | 121 |
| D | Croydon (Northampton Road) | Mrs. Vera Higgins... | 5 | 1 0 | 210 | 26·9 | 24·54 | 177 | 123 |
| d | Beddington Corner (Millgreen Road) | Messrs. G. Miller & Sons | 5 | 2 6 | 77 | ... | 25·41 | ... | ... |
| D | Thornton Heath (Grange Park Road) | A. R. Pearce, Esq. | 5 | 1 0 | 287 | ... | 25·25 | 172 | 114 |
| D | Mitcham (London Road) | (+A) Mitcham Borough Council* | 5 | 0 11 | 62 | 22·6 | 26·55 | 172 | 128 |
| D | Wimbledon (Durnsford Road) | (+A) T. Webster, Esq., C.E.* | 5 | 1 0 | 58 | 22·6 | 24·74 | 181 | 123 |
| | 5.—THAMES. Mole & c. 229 sq. mi. | | | | | | | | |
| D | HORLEY (Worth Park Nurseries) | F. M. Gurteen, Esq. | 5 | 1 0 | 195 | ... | 28·17 | 176 | 125 |
| D | Horley (Tinsley Sewage Works) | (+A) A. J. W. McIntosh, Esq. | 5 | 1 0 | 210 | ... | 27·43 | 168 | 122 |
| D | Horley (Yew Trees) | Miss M. Macleod | 5 | 1 0 | 180 | ... | 27·43 | 186 | 124 |
| D | Dorking (Bramerton) | Rev. James F. Twist | 5 | 1 0 | 300 | 32·1 | 29·93 | 175 | 137 |
| D | Ranmore (Denbies) | Mr. S. C. Westbrook | 5 | 1 0 | 620 | ... | 29·72 | 176 | 141 |
| D | Dorking (Pixham Lane S. Wks.) | (+A) Dorking U.D.C.* | 5 | 1 0 | 138 | 29·8 | 28·86 | 174 | 133 |
| D | Earlswood (Sewage Farm) | (+A) G. G. Sanderson, Esq., C.E.* | 5 | 1 6 | 196 | 27·2 | 28·15 | 181 | 135 |
| D | Redhill (London Road) | East Surrey Water Co. | 5 | 1 0 | 270 | 28·4 | 28·54 | 186 | 129 |
| D | Reigate (Wray Park Road) | W. J. MacAndrew, Esq. | 5 | 1 0 | 330 | 29·8 | 27·96 | 178 | 134 |
| D | Reigate (Castle Grounds) | G. G. Sanderson, Esq., C.E. | 5 | 2 0 | 320 | 29·3 | 26·15 | 166 | 131 |
| D | Bletchingley (South Park Farm) | Major U. H. Lambert | 5 | 1 4 | 340 | 28·7 | 28·15 | 164 | 127 |
| D | Merstham (Gatton Point) | C. F. Bull, Esq. | 5 | 1 0 | 300 | 29·2 | 28·52 | 184 | 130 |
| D | MICKLEHAM (Juniper Hall) | C. Promotion Field Studies | 5 | 1 0 | 179 | ... | 26·78 | 170 | 131 |
| | Effingham Reservoir | East Surrey Water Co. | 5 | 1 0 | 363 | 29·3 | 26·37 | ... | ... |
| D | Headley Reservoir | East Surrey Water Co. | 5 | 1 0 | 629 | *32·0* | 28·30 | 176 | 132 |
| D | Merstham (Merstham Lodge) | J. F. E. Goad, Esq. | 5 | 0 11 | 500 | ... | 31·69 | 192 | 146 |
| D | Headley (The Hurst) | Mrs. Lyall | 5 | 1 0 | 420 | 30·6 | 30·62 | 175 | 131 |
| D | Leatherhead (Elmer Softening Wks.) | East Surrey Water Co. | 5 | 1 0 | 168 | ... | 25·67 | 161 | 119 |
| D | Leatherhead (Thorncroft Manor) | Brit. Elec. & Allied Industries | 5 | 1 0 | 108 | ... | 27·00 | 186 | 130 |
| d | Leatherhead (Tyrrells Wood) | E. H. Cutbill, Esq. | 5 | 1 0 | 410 | ... | 27·55 | ... | ... |
| D | Tadworth (Pumping Station) | Banstead U.D.C. | 5 | 1 0 | 405 | ... | 27·35 | 188 | 135 |
| D | Ashtead (Park Lane) | G. R. Crompton, Esq. | 8 | 1 0 | 318 | ... | 26·67 | 179 | 132 |
| D | Leatherhead (Sewage Works) | (+A) F. J. Southam, Esq.* | 5 | 1 0 | 104 | 25·9 | 27·78 | 156 | 128 |
| D | Epsom (Downs Road) | T. N. Young. Esq., M.B.E. | 5 | 1 0 | 400 | ... | 25·89 | 166 | 124 |
| D | Cobham (Towngate) | E. Boughton, Esq. | 5 | 1 0 | 160 | ... | 25·60 | 157 | 115 |
| D | Epsom College | S. A. Weare, Esq. | 8 | 1 6 | 300 | 26·9 | 23·04 | 171 | 119 |
| D | Cobham (Sewage Works) | Esher U.D.C. | 8 | 1 0 | 71 | ... | 24·44 | 176 | 117 |
| D | Epsom (Sewage Farm) | Surveyor* | 8 | 1 0 | 125 | ... | 26·53 | 177 | 125 |
| D | Epsom (Waterworks) | T. N. Young, Esq., M.B.E. | 5 | 1 0 | 150 | ... | 25·56 | 164 | 122 |
| D | Whiteley Village | Whiteley Homes Trust | 8 | 3 4 | 190 | 24·3 | 24·66 | 171 | 124 |
| D | Claygate (Hertslets) | N. C. Armitage, Esq. | 5 | 1 0 | 106 | 23·8 | 23·72 | 171 | 128 |
| D | Sutton (Waterworks) | Sutton District Water Co. | 5 | 1 0 | 161 | 25·4 | 25·38 | 158 | 122 |
| D | Sutton (Sewage Works) | (+A) N. H. Michell, Esq., C.E.* | 5 | 1 0 | 99 | 24·7 | 25·35 | 170 | 121 |

* Per Surrey County Council.

## DIVISION II—SOUTH-EASTERN COUNTIES—(*contd.*)

| | STATIONS | | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1952 Rainfall | 1952 Days with ·01 in. or more | 1952 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|---|
| | **SURREY—(*contd.*).** | | | *in.* | *ft.* *in.* | *ft.* | *in.* | *in.* | | |
| | **5.—THAMES. Mole & c.—(*contd.*).** | | | | | | | | | |
| D | Epsom (Ruxley Lane S. Wks.) | (+A) | Surveyor* ... ... ... | 5 | 1 6 | 76 | 23·2 | 25·47 | 160 | 120 |
| D | Weybridge (Weyland S. Wks.) | (+A) | Walton&WeybridgeU.D.C.* | 5 | 1 0 | 50 | 22·8 | 24·39 | 173 | 118 |
| D | Esher (Sewage Works) ... | (+A) | Esher U.D.C.* ... ... | 5 | 1 0 | 44 | ... | 24·94 | 163 | 122 |
| d | Esher (Penlea) ... ... ... | | P. W. Partridge, Esq. ... | 5 | 0 11 | 35 | ... | 24·69 | ... | ... |
| D | Worcester Park (Sewage Wks.) | (+A) | N. H. Michell, Esq., C.E.* | 5 | 1 0 | 68 | 24·4 | 25·76 | 158 | 122 |
| D | Old Malden (Sports Ground) | (+A) | Malden & Coombe B.C.* ... | 5 | 0 8 | 64 | 24·3 | 27·65 | 152 | 128 |
| D | Surbiton (Seething Wells) ... | | ... Metropolitan Water Board | 5 | 0 10 | 34 | 24·5 | 25·62 | 162 | 122 |
| D | Surbiton (Sewage Disp. Works) | (+A) | Borough Engineer*... ... | 5 | 1 0 | 51 | 23·1 | 23·75 | 161 | 117 |
| D | West Molesey (Walton Works) | | ... Metropolitan Water Board | 5 | 1 0 | 35 | 23·1 | 25·28 | 164 | 117 |
| D | New Malden (Sewage Works)... | (+A) | Malden & Coombe B.C.* ... | 5 | 0 10 | 51 | 22·8 | 25·47 | 159 | 114 |
| D | New Malden (Acacia Grove) ... | | ... A. C. Josling, Esq. ... | 5 | 1 0 | 50 | ... | 26·42 | 182 | 120 |
| D | Morden Hall ... ... ... | (+A) | R. W. North, Esq., C.E.* ... | 5 | 1 2 | 117 | ... | 24·54 | 170 | 120 |
| D | Merton (Joseph Hood Rec. Ground)... | | R. W. North, Esq., C.E. ... | 5 | 1 0 | 48 | *23·5* | 26·76 | 167 | 131 |
| D | Merton Park (Mostyn Road) ... | | ... A. T. Bench, Esq. ... ... | 5 | 1 0 | 55 | ... | 25·69 | 171 | 126 |
| D | New Malden (High Drive) ... | | ... Mrs. Ben. G. Brame ... | 5 | 1 0 | 60 | *24·1* | 27·12 | 166 | 125 |
| D | Kingston (Canbury Gardens)... | (+A) | G. C. Stedman, Esq.,* ... | 5 | 1 0 | 25 | 22·7 | 26·11 | 165 | 115 |
| D | Raynes Park (Cottenham Pk. P.S.) | (+A) | T. Webster, Esq., C.E.* ... | 5 | 1 0 | 50 | 23·9 | 23·96 | 163 | 113 |
| D | New Malden (Kingston Vale) | (+A) | Malden & Coombe B.C.* ... | 5 | 1 1 | 47 | ... | 27·63 | 165 | 128 |
| D | Richmond (Terrace Gardens) | | ... G. Humphreys, Esq. ... | 5 | 1 3 | 29 | *23·5* | 27·75 | 165 | 128 |
| D | East Sheen (Cemetery) ... | (+A) | Barnes Corporation* ... | 5 | 0 10 | 88 | 22·4 | 28·02 | 161 | 123 |
| D | East Sheen (Wallorton Gardens) | | ... J. J. Fisher, Esq. ... ... | 5 | 1 0 | 37 | ... | 26·32 | 177 | 123 |
| D | KEW OBSERVATORY ... ... | (+A) | Meteorological Office ... | 8 | 1 0 | 18 | 23·8 | 25·76 | 163 | 113 |
| D | Barnes (Barn Elms) ... ... | | ... Metropolitan Water Board | 5 | 1 0 | 16 | 22·9 | 23·58 | 154 | 113 |
| | **6.—THAMES. Wey. 236 sq. mi.** | | | | | | | | | |
| D | Shottermill (Sewage Works) ... | (+A) | Surveyor* ... ... ... | 5 | 1 7 | 381 | *35·2* | 34·29 | 188 | 138 |
| D | Haslemere (Church Hill) ... | | ... T. M. Shewell, Esq. ... | 5 | 1 0 | 530 | ... | 36·81 | 182 | 137 |
| D | Hindhead (Waterworks) ... | | ... Wey Valley Water Co. ... | 5 | 1 0 | 839 | *34·5* | 34·40 | 179 | 135 |
| D | Churt (Firdown) ... ... | | ... W. E. Livock, Esq. ... | 5 | 1 0 | 500 | ... | 31·39 | 166 | 128 |
| d | Cranleigh (Lambswood) ... | | ... Cranleigh Water Co. ... | 5 | 0 10 | 300 | ... | 30·50 | 182 | 137 |
| D | Cranleigh (Sewage Works) ... | (+A) | Surrey County Council ... | 5 | 1 0 | 154 | ... | 27·34 | 172 | 125 |
| D | Hascombe (Olivers) ... ... | | ... Miss F. C. Musgrave ... | 5 | 1 0 | 361 | 31·7 | 29·90 | 176 | 132 |
| D | Hascombe (Winkworth Hanger) | | ... J. H. Wenham, Esq. ... | 5 | 1 0 | 430 | ... | 27·87 | 181 | 131 |
| d | Ewhurst (Copse Hill) ... ... | | ... Mr. A. P. Clow ... ... | 5 | 1 6 | 670 | ... | 30·86 | ... | ... |
| D | Ewhurst (Woolpit) ... ... | | ... F. Butterick, Esq. ... | 5 | 1 0 | 600 | *32·3* | 33·20 | 203 | 123 |
| d | Godalming (Munstead Heath) | | ... Mrs. M. M. Hodsoll ... | 5 | 1 0 | 550 | *30·3* | 27·91 | ... | 121 |
| D | Godalming (Ockford Pumping Stn.) | | ... Engineer and Manager ... | 8 | 1 0 | 152 | ... | 27·42 | 180 | 131 |
| d | Milford (Kennel Moor) ... | | ... G. S. Sansom, Esq., D.Sc.... | 5 | 1 0 | 180 | ... | 27·41 | ... | ... |
| D | Godalming (Kingscote) ... | | ... Rev. F. P. Synge ... ... | 5 | 2 0 | 280 | ... | 26·75 | 189 | 131 |
| D | Godalming (Borough Road P.S.) | | ... Engineer and Manager ... | 8 | 1 0 | 120 | *28·7* | 27·32 | 185 | 124 |
| d | Godalming (Easing) ... ... | | ... Major C. V. Kitcat ... | 5 | 4 6 | 300 | ... | 25·52 | ... | ... |
| D | FARNHAM (ROWLEDGE)... ... | | ... D. H. Gordon, Esq. ... | 5 | 1 0 | 300 | ... | 29·26 | 184 | 127 |
| d | Farnham (Little Park) ... | | ... Major G. A. Moxon ... | 5 | 1 0 | 400 | ... | 28·09 | 151 | 120 |
| D | Holmbury St. Mary (Feldemore) | | ... Mr. W. E. Hobday ... | 5 | 2 0 | 500 | *32·0* | 34·46 | 165 | 143 |
| D | Peaslake (Southcots) ... ... | | ... J. S. Moffat, Esq. ... ... | 5 | 1 0 | 420 | *33·1* | 34·01 | 218 | 138 |
| | Abinger Common (Furzen Wood) | | ... Major E. J. Lugard, D.S.O. | 5 | 1 0 | 555 | *31·0* | 30·42 | ... | ... |
| d | Shere (Combe End): ... ... | | ... Miss R. L. M. Warren ... | 8 | 1 3 | 294 | ... | 29·13 | 153 | 120 |
| D | Shalford (Unstead Sewage Works) | | ... Borough Surveyor ... ... | 5 | 1 6 | 120 | ... | 26·09 | 181 | 121 |
| D | Shalford (The Hutch) ... ... | | ... Capt. G. C. Pentland ... | 5 | 1 2 | 180 | ... | 26·91 | 184 | 130 |
| d | Farnham (Wrecclesham) ... | | ... Mrs. Sotherby ... ... | 8 | 1 0 | 360 | ... | 26·80 | ... | ... |
| D | Farnham (West Street) ... | | ... Capt. A. M. H. Fergus ... | 5 | 1 0 | 230 | ... | 26·98 | 157 | 120 |
| D | Farnham (Sewage Works) ... | | ... Engineer & Surveyor ... | 5 | 1 0 | 245 | ... | 28·05 | 158 | 125 |
| d | Seale (Binton Cottage) ... | | ... J. R. Colyer, Esq. ... ... | 5 | 1 0 | 310 | ... | 27·42 | ... | 119 |
| D | FARNHAM (Castle Street) ... | | ... A. C. Hunt, Esq. ... ... | 5 | 1 0 | 256 | ... | 27·87 | 177 | 121 |

* Per Surrey County Council.

## DIVISION II—SOUTH-EASTERN COUNTIES—(*contd.*)

| | STATIONS | | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1952 Rainfall | 1952 Days with ·01 in. or more | 1952 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|---|
| | SURREY—(*contd.*). | | | *in.* | *ft.* | *in.* *ft.* | *in.* | *in.* | | |
| | **6.—THAMES. Wey—(*contd.*).** | | | | | | | | | |
| d | Farnham (Broomleaf Road) | | A. C. Challands, Esq. | 5 | 1 | 0 250 | ... | 26·30 | 173 | 115 |
| d | Puttenham (Berthorpe) | | Miss R. Tuckwell | 5 | 1 | 0 350 | *28·3* | 27·63 | ... | 120 |
| D | Farnham (Beechwood) | | Mrs. K. M. Lewis | 5 | 1 | 0 275 | ... | 28·68 | 148 | 114 |
| D | Guildford (Onslow Village) | | C. O. Hunt, Esq. | 5 | 0 | 9 300 | ... | 27·93 | 178 | 130 |
| D | Guildford (Avonmore Avenue) | | Mrs. M. H. Fulk | 5 | 1 | 0 184 | ... | 29·51 | 176 | 125 |
| D | Guildford (Boxgrove School) | | Capt. V. H. Holroyd, F.R.G.S. | 5 | 1 | 0 200 | ... | 24·43 | 159 | 119 |
| D | Guildford (Joseph's Road) | (+A) | Borough Surveyor* | 5 | 1 | 2 98 | 25·0 | 25·68 | 156 | 120 |
| d | West Clandon Quarry | | Agric. Contractors Ltd. | 8 | 1 | 0 ... | ... | 28·54 | ... | ... |
| D | West Clandon | | J. Dalrymple, Esq., C.E. | 8 | 1 | 0 319 | *28·5* | 27·42 | 175 | 133 |
| | East Horsley (Ethandown) | | Basil D. Tims, Esq. | 5 | 0 | 9 280 | ... | 27·68 | ... | ... |
| D | Pirbright (Bakersgate) | | The Hon. Charles J. L. Lyle | 5 | 1 | 0 120 | ... | 27·25 | 169 | 118 |
| d | Old Woking (The Gresham Press) | | Unwin Bros. Ltd. | 5 | 1 | 0 50 | ... | 26·21 | ... | ... |
| D | Woking (The Grange) | | Miss M. E. Wilson | 5 | 1 | 0 81 | ... | 27·34 | 174 | 123 |
| W | Woking (St. John's Hill Road) | | Prof. H. M. Turnbull | 5 | 1 | 8 183 | ... | 25·96 | ... | ... |
| D | Old Woking (Sewage Works) | | Woking U.D.C. | 5 | 1 | 0 76 | *24·9* | 26·15 | 173 | 118 |
| D | Woking (Council Offices) | (+A) | Woking U.D.C. | 5 | 1 | 0 132 | 25·0 | 27·50 | 168 | 124 |
| d | Woking (Percy Street) | | J. Dalrymple, Esq., C.E. | 8 | 1 | 0 100 | ... | 26·59 | 147 | 113 |
| d | Woking (Goldsworth Road Depot) | | Woking U.D.C. | 5 | 1 | 0 96 | *25·3* | 27·65 | ... | ... |
| D | Byfleet (WISLEY R.H.S. Gardens) | | Director | 8 | 1 | 0 150 | 24·1 | 25·62 | 173 | 121 |
| D | Wisley (Outfall Works) | | Woking U.D.C. | 5 | 1 | 0 53 | *24·5* | 24·89 | 158 | 113 |
| D | West Byfleet (County Sec. School) | | R. T. Elvidge, Esq. | 5 | 1 | 0 90 | ... | 26·45 | 152 | 112 |
| d | West Byfleet (Scotland Bridge) | | Woking U.D.C. | 5 | 1 | 0 67 | ... | 27·04 | ... | ... |
| D | Addlestone | | W. V. Davies, Esq., C.E. | 5 | 1 | 0 46 | *24·0* | 27·09 | 169 | 124 |
| D | Weybridge (Oil Mills) | | A. Whittet & Co. Ltd. | 5 | 1 | 0 36 | *23·7* | 27·17 | 160 | 129 |
| D | Walton-on-Thames (Waterworks) | | West Surrey Water Co. | 5 | 1 | 4 33 | *23·0* | 25·08 | 161 | 122 |
| | **7.—THAMES. Bourne. 55 sq. mi.** | | | | | | | | | |
| D | Chobham (West End) | | F. A. Walter, Esq. | 5 | 1 | 0 150 | *25·8* | 28·60 | 152 | 113 |
| D | West Byfleet (N. Zealand Golf Club) | | Secretary | 5 | 1 | 7 100 | ... | 28·34 | 190 | 132 |
| d | Bagshot | | J. Waterer, Sons & Crisp, Ltd. | 5 | 0 | 11 270 | ... | 27·54 | ... | 106 |
| D | Windlesham (Woodside) | | A. R. F. Bosman, Esq. | 5 | 0 | 11 250 | ... | 27·57 | 169 | 116 |
| D | Weybridge (St. George's College) | | Rev. C. K. Bryant | 5 | 1 | 0 46 | ... | 27·05 | 160 | 121 |
| d | Chertsey (Long Cross) | | Lord Brabazon of Tara | 5 | 1 | 6 150 | ... | 27·83 | ... | ... |
| D | Chertsey | | W. V. Davies, Esq., C.E. | 8 | 1 | 0 42 | *23·3* | 27·78 | 175 | 125 |
| D | Chertsey (Abbey Meads) | | J. Dalrymple, Esq., C.E. | 5 | 1 | 0 53 | *23·0* | 25·75 | 161 | 121 |
| D | Chertsey (Lyne Farm Sew. Wks.) | (+A) | Surrey County Council | 5 | 1 | 0 93 | ... | 26·34 | 175 | 121 |
| D | Egham (Waterworks) | | S.W. Suburban Water Co. | 5 | 1 | 0 54 | ... | 26·87 | 144 | 110 |
| | **8.—THAMES. Loddon. 17 sq. mi.** | | | | | | | | | |
| D | Frimley (Pumping Station) | | Mid-Wessex Water Co. | 5 | 1 | 7 213 | ... | 26·67 | 157 | 116 |
| D | Camberley (Sewage Works) | (+A) | Surrey County Council | 5 | 1 | 0 198 | 26·4 | 25·76 | 173 | 118 |
| | **KENT. (Area, 1,532 sq. mi.)** | | | | | | | | | |
| | **1.—ROTHER & C. 217 sq. mi.** | | | | | | | | | |
| D | Brookland (Poplar Hall) | | Major J. R. Ainslie, B.Sc. | 5 | 2 | 0 12 | ... | 28·86 | 155 | 100 |
| D | Stone (Huggets Farm) | | G. L. Billson, Esq. | 5 | 1 | 0 140 | ... | 31·66 | 163 | 119 |
| D | Dymchurch (Slieve Truim) | | D. Hamill Morton, Esq. | 5 | 1 | 0 9 | 24·8 | 28·51 | 152 | 113 |
| D | Sandhurst (Field Green) | | J. L. Tweedie, Esq. | 8 | 1 | 0 199 | ... | 33·08 | 175 | 125 |
| D | Kenardington (The Firs) | | Cmdr. F. H. Lyon, D.S.O. | 5 | 1 | 2 65 | ... | 28·02 | 171 | 119 |
| D | Hythe | | Borough Surveyor | 5 | 1 | 1 0 | *28·0* | 30·51 | 165 | 121 |
| D | Hythe (Seabrook Road) | | C. R. Lilburn, Esq. | 5 | 1 | 6 0 | ... | 27·85 | 171 | 124 |
| D | Hythe (Sandling Park) | | Major A. E. Hardy | 8 | 1 | 0 260 | ... | 32·38 | 156 | 116 |

* Per Surrey County Council.

## DIVISION II—SOUTH-EASTERN COUNTIES—(*contd.*)

| | STATIONS | | AUTHORITIES | Rain-gauge: Diam. | Rain-gauge: Height of Rim above Ground | Rain-gauge: Height of Ground above Sea Level | Average Rainfall | 1952: Rainfall | 1952: Days with ·01 in. or more | 1952: Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|---|
| | **KENT—(*contd.*).** | | | *in.* | *ft.* | *in.* *ft.* | *in.* | *in.* | | |
| | **1.—ROTHER & C.—(*contd.*).** | | | | | | | | | |
| D | Bonnington Rectory | | D. W. J. Sampson, Esq. | 5 | 1 | 0 45 | ... | 28·34 | 161 | 109 |
| D | Saltwood (Cylinder) | | Miss M. Lethbridge | 5 | 1 | 0 230 | ... | 31·62 | 159 | 125 |
| D | FOLKESTONE (The Leas) | (+A) | Borough Engineer | 5 | 1 | 0 128 | *28·6* | 28·24 | 160 | 119 |
| D | Folkestone (Cherry Garden) | | Folkestone W.W. Co. | 5 | 1 | 6 230 | 29·1 | 34·79 | 158 | 124 |
| D | Alkham Valley (Lower Standen) | | Folkestone W.W. Co. | 5 | 1 | 0 250 | ... | 37·00 | 160 | 127 |
| D | DOVER (Waterloo Crescent) | | Borough Engineer | 5 | 1 | 0 19 | 28·2 | 29·93 | 167 | 121 |
| d | Dover (Waterworks) | | Borough Engineer | 5 | 1 | 0 200 | ... | 29·54 | ... | 124 |
| D | Dover (Buckland) | | Guy Mannering, Esq. | 8 | 1 | 6 50 | ... | 34·86 | 152 | 125 |
| D | DOVER (ROYAL MILITARY SCHOOL) | | Headmaster | 5 | 1 | 0 402 | ... | 33·50 | 163 | 125 |
| | **2.—STOUR & C. 386 sq. mi.** | | | | | | | | | |
| D | LYMPNE Airport | (+A) | Meteorological Office | 5 | 1 | 0 346 | 26·7 | 30·96 | 166 | 116 |
| D | Lyminge (Skeete Pumping Station) | | Folkestone W.W. Co. | 5 | 1 | 6 445 | ... | 34·92 | 160 | 130 |
| D | Elham (Ottinge) | | S. G. Holmans, Esq. | 5 | 1 | 9 300 | ... | 38·57 | 145 | 124 |
| D | Ashford (Gas Works) | | L. G. Kimmins, Esq. | 5 | 1 | 0 125 | ... | 30·06 | 167 | 117 |
| D | Ashford | | Headley Bros., Ltd. | 5 | 1 | 0 190 | ... | 30·61 | 195 | 136 |
| D | Ashford (Albert Road) | | A. E. Brounger, Esq. | 5 | 1 | 0 185 | ... | 30·52 | 183 | 124 |
| D | Ashford (Belmore) | | J. W. Kennard, Esq. | 5 | 1 | 0 200 | ... | 29·34 | 162 | 123 |
| D | Dover (Martin Mill Pump. Station) | | W. A. Parker, Esq. | 5 | 1 | 0 287 | ... | 35·18 | 156 | 123 |
| D | WYE (S. E. Agricultural College) | | Prinicipal | 5 | 1 | 0 164 | ... | 30·38 | 170 | 135 |
| D | Waldershare Park Gardens | | Mr. J. Beer | 8 | 1 | 0 250 | *33·2* | 40·04 | 173 | 141 |
| D | Charing (Egerton) | | G. L. Wall, Esq. | 5 | 1 | 0 310 | ... | 29·09 | 182 | 127 |
| d | Charing (Pett Place) | | J. E. Hosking, Esq. | 5 | 1 | 0 300 | ... | 31·85 | ... | 112 |
| D | Deal & Walmer Waterworks | | W. Mantle, Esq. | 5 | 1 | 0 110 | *28·0* | 30·72 | 158 | 122 |
| D | Barham (Old House) | | L. S. Osmaston, Esq. | 5 | 0 | 9 175 | ... | 33·31 | 172 | 134 |
| D | Barham (Pumping Station) | | W. A. Parker, Esq. | 5 | 1 | 0 173 | ... | 35·52 | 170 | 130 |
| D | Nonington (Red Tiles) | | C. G. W. Lewis, Esq. | 5 | 1 | 0 140 | ... | 32·87 | 162 | 127 |
| D | Worth (Upton House) | | Mrs. Mary Napier | 5 | 1 | 0 32 | *27·7* | 32·78 | 151 | 129 |
| D | Wingham (Margate Waterworks) | | Superintendent | 5 | 1 | 0 138 | *28·7* | 31·91 | 170 | 130 |
| D | Sandwich (Loop Street) | | Borough Surveyor | 5 | 1 | 0 15 | ... | 28·78 | 166 | 126 |
| D | Canterbury (Harbledown) | | W. Norris, Esq. | 5 | 1 | 0 155 | ... | 23·29 | 152 | 107 |
| D | Canterbury (London Road) | | Miss B. Spillett | 5 | 1 | 0 66 | *28·7* | 23·30 | 168 | 119 |
| D | Canterbury (Sewage Works) | | Manager | 5 | 1 | 6 15 | *27·5* | 27·58 | 180 | 130 |
| D | Ash (Corking Farm) | | R. F. Neame, Esq. | 5 | 1 | 0 50 | ... | 24·70 | 151 | 117 |
| d | Elmstone (Court Farm) | | J. B. Henderson, Esq. | 5 | 1 | 0 28 | ... | 27·08 | ... | ... |
| d | RAMSGATE (East Cliff) | | Borough Engineer | 8 | 1 | 0 80 | ... | 24·75 | ... | 117 |
| D | MANSTON Airfield | (+A) | Meteorological Office | 8 | 1 | 0 154 | ... | 24·89 | 173 | 122 |
| D | Broadstairs (Grange Road) | | C. Saunders, Esq. | 5 | 1 | 0 159 | ... | 25·20 | 174 | 121 |
| D | Broadstairs (Stone House) | | H. Biggs, Esq. | 5 | 1 | 3 100 | ... | 25·39 | 161 | 123 |
| d | MARGATE | | Town Clerk | 5 | 1 | 0 51 | 22·8 | 22·71 | 148 | 108 |
| | **3.—SWALE & C. 167 sq. mi.** | | | | | | | | | |
| D | THROWLEY (Newlands Farm) | | Thomas Neame, Ltd. | 5 | 1 | 0 493 | ... | 31·35 | 175 | 126 |
| d | Selling (Perry Cottage) | | F. Ivo Neame, Esq. | 5 | 1 | 5 320 | ... | 27·18 | ... | 107 |
| D | Selling (Luton) | | F. Ivo Neame, Esq. | 5 | 4 | 9 300 | *30·4* | 27·84 | 158 | 125 |
| D | Sittingbourne (Torry Hill) | | D. Leigh Pemberton, Esq. | 5 | 1 | 0 497 | ... | 29·58 | 175 | 128 |
| D | Newnham (Pumping Station) | | W. A. Parker, Esq. | 5 | 1 | 0 107 | ... | 27·56 | 162 | 116 |
| D | Faversham (Waterworks) | | Engineer and Manager | 8 | 1 | 0 132 | ... | 23·77 | 175 | 108 |
| d | Ospringe (Queen Court) | | Shepherd Neame Ltd. | 8 | 1 | 3 50 | ... | 26·40 | ... | ... |
| D | Ospringe (Lorenden) | | Messrs. G. W. Finn & Sons | 5 | 1 | 6 175 | ... | 24·03 | 146 | 122 |
| D | Sittingbourne (Highsted W.W.) | | Sittingbourne U.D C. | 5 | 1 | 7 138 | ... | 27·26 | 171 | 123 |
| D | SITTINGBOURNE | | Kent Farm Institute | 5 | 1 | 0 225 | ... | 28·41 | 158 | 124 |
| D | Faversham (Sewage Disp. Works) | | Engineer and Manager | 8 | 1 | 0 22 | ... | 26·60 | 172 | 133 |
| d | Teynham (Newgardens) | | Mrs. Honeyball | 5 | 1 | 5 30 | *24·5* | 25·46 | ... | ... |

## DIVISION II—SOUTH-EASTERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge: Diam. | Rain-gauge: Height of Rim above Ground | Rain-gauge: Height of Ground above Sea Level | Average Rainfall | 1952: Rainfall | 1952: Days with ·01 in. or more | 1952: Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | KENT—(*contd.*). | | *in.* | *ft.* | *in.* *ft.* | *in.* | *in.* | | |
| | 3. SWALE & C.—(*contd.*). | | | | | | | | |
| d | Milton Regis (Sewage Works) | Sittingbourne U.D.C. | 5 | 0 | 8 8 | ... | 24·48 | ... | 114 |
| D | WHITSTABLE (Westmeads Rec. Grd.) | Urban District Council | 5 | 1 | 0 9 | ... | 21·44 | 147 | 102 |
| | Herne Bay (Waterworks) | J. Roberts, Esq. | 5 | 1 | 0 125 | *22·8* | 25·38 | ... | ... |
| D | HERNE BAY (St. Anne's Home) | Urban District Council | 5 | 1 | 0 21 | ... | 23·76 | 159 | 112 |
| D | Eastchurch (Barnland) | A. A. Beal, Esq. | 5 | 1 | 0 180 | ... | 24·12 | 163 | 118 |
| | 4.—MEDWAY. 506 sq. mi. | | | | | | | | |
| D | GOUDHURST (Bedgebury Forest) | Forestry Commission | 5 | 1 | 0 290 | ... | 32·65 | 191 | 134 |
| D | Goudhurst (Bedgebury Park Gdns.) | Mr. E. G. Arnold | 5 | 1 | 0 280 | ... | 33·97 | 192 | 138 |
| d | Scotney Castle | late E. W. Hussey, Esq. | 5 | 2 | 0 200 | ... | 30·42 | ... | ... |
| D | Biddenden (Little Whatmans) | W. H. S. Williams, Esq. | 5 | 1 | 0 200 | ... | 29·41 | 162 | 112 |
| D | Cranbrook (Kennel Holt) | Capt. D. S. Hancock | 5 | 1 | 0 223 | ... | 26·84 | 175 | 113 |
| D | TUNBRIDGE WELLS (Calverley Park) | Medical Officer of Health | 5 | 1 | 0 351 | ... | 29·71 | 174 | 125 |
| D | Pembury (Waterworks) | H. P. Bishop, Esq., C.E. | 5 | 1 | 0 197 | ... | 27·41 | 155 | 116 |
| D | Edenbridge (Falconhurst) | Hon. Mr. Justice Talbot | 5 | 1 | 6 375 | 30·7 | 29·43 | 163 | 130 |
| D | Edenbridge (Stonewall Park) | Lt.-Col. E. R. Meade-Waldo | 5 | 1 | 1 344 | ... | 30·59 | 171 | 128 |
| D | Penshurst Place | Lord De L'Isle and Dudley | 5 | 1 | 6 120 | ... | 28·51 | 173 | 123 |
| D | Headcorn (Great Tong) | A. E. A. Day, Esq. | 5 | 1 | 0 110 | ... | 25·03 | 144 | 109 |
| D | Hildenborough (Gailes) | E. E. Roper, Esq. | 5 | 1 | 0 159 | 27·4 | 29·44 | 153 | 123 |
| D | Hildenborough (Hollanden House) | C. H. Scott, Esq. | 8 | 1 | 0 99 | ... | 32·25 | 161 | 123 |
| | Hildenborough (Old School Cottage) | J. S. Roper, Esq. | 5 | 1 | 0 270 | ... | 28·24 | ... | ... |
| d | East Peckham (Woodbine) | W. H. Pearson, Esq. | 8 | 1 | 0 47 | ... | 24·18 | ... | 111 |
| D | Chart Sutton (Amberfield Farm) | Hernden Farms Ltd. | 5 | 1 | 0 350 | ... | 25·49 | 149 | 110 |
| D | Lenham (Lenham Court) | Major W. T. Pitt | 5 | 0 | 9 354 | ... | 29·67 | 171 | 125 |
| d | Langley (Rumwood Court) | E. G. Boys, Esq. | 5 | 1 | 9 354 | ... | 26·31 | ... | 110 |
| d | Lenham Quarry | Agricultural Contractors Ltd. | 5 | 1 | 0 554 | ... | 29·49 | ... | ... |
| D | Lenham | D. F. Tysoe, Esq. | 5 | 1 | 6 400 | ... | 30·43 | 170 | 127 |
| D | Sevenoaks (River Hill) | Major D. M. Rogers | 5 | 1 | 0 500 | 30·0 | 32·05 | 161 | 146 |
| D | Maidstone W.W. (Barming) | C. H. Harden, Esq., C.E. | 5 | 1 | 4 247 | ... | 26·37 | 160 | 123 |
| D | Maidstone (Mill Street) | S. F. Dixon, Esq. | 8 | 6 | 0 37 | ... | 27·88 | 184 | 122 |
| D | Bearstead (Thurnham Pumping Stn.) | W. A. Parker, Esq. | 5 | 1 | 0 107 | ... | 29·16 | 179 | 124 |
| D | Maidstone (Brenchley Gardens) | S. F. Dixon, Esq. | 5 | 0 | 9 49 | ... | 26·08 | 158 | 121 |
| D | WEST MALLING Airfield (+A) | Meteorological Office | 5 | 1 | 0 309 | ... | 26·95 | 175 | 120 |
| D | EAST MALLING (Research Station) | Director | 8 | 1 | 0 122 | 26·1 | 26·43 | 183 | 127 |
| D | Maidstone (Boxley Road) | A. O. Mead, Esq. | 5 | 0 | 10 230 | ... | 26·51 | 172 | 117 |
| D | Maidstone (Allington Lock) | Mr. A. H. Reed | 5 | 1 | 0 20 | ... | 24·19 | 146 | 116 |
| D | Aylesford (Forstal Pumping Stn.) | C. H. Harden, Esq., C.E. | 5 | 1 | 4 20 | ... | 24·95 | 172 | 123 |
| D | Wrotham (Borough Green) | Major Noel Thomas, M.B.E. | 5 | 1 | 0 300 | ... | 30·92 | 205 | 133 |
| D | Ightham (Oldbury Farm) | Hernden Farms Ltd. | 5 | 1 | 0 410 | ... | 29·67 ? | 173 | 124 |
| D | Trottiscliffe (Pumping Station) | W . A. Parker, Esq. | 5 | 1 | 8 250 | ... | 29·72 | 163 | 134 |
| D | Maidstone W.W. (Boxley) | C. H . Harden, Esq., C.E. | 5 | 1 | 0 319 | ... | 26·44 | 161 | 115 |
| D | Hartlip (Matts Hill Pumping Stn.) | A. E. Watkins, Esq., B.Sc. | 5 | 1 | 0 225 | ... | 28·83 | 142 | 120 |
| D | Chatham (Woolmans Wood) | A. E. Watkins, Esq., B.Sc. | 5 | 3 | 0 470 | ... | 28·79 | 153 | 123 |
| D | Halling (Pumping Station) | W. A. Parker, Esq. | 5 | 1 | 0 75 | ... | 24·54 | 150 | 103 |
| D | Chatham (Nashenden Pumping Stn.) | A. E. Watkins, Esq., B.Sc. | 5 | 0 | 9 125 | ... | 27·57 | 151 | 121 |
| D | Chatham (Luton Waterworks) | A. E. Watkins, Esq., B.Sc. | 5 | 3 | 0 88 | ... | 26·35 | 163 | 126 |
| D | GILLINGHAM (Sewer Plant) (+A) | Borough Engineer | 5 | 1 | 0 238 | ... | 26·35 | 164 | 120 |
| D | Cuxton (Pumping Station) | Cuxton Water Committee | 5 | 1 | 0 87 | ... | 25·37 | 169 | 119 |
| D | Rainham (Motney Hill) | J. B. Harvey, Esq. | 5 | 1 | 0 28 | ... | 22·76 | 155 | 107 |
| D | Strood (Waterworks) (+A) | City Surveyor | 5 | 1 | 0 112 | *22·9* | 23·86 | 163 | 113 |
| D | Frindsbury (Shornells) | F. J. Talbot, Esq. | 5 | 1 | 3 50 | 23·5 | 25·30 | 162 | 114 |
| d | Higham (Forge Lane) | E. N. M. Wadman, Esq. | 5 | 1 | 0 200 | ... | 24·01 | ... | 111 |
| d | Hoo (Lodge Hill) | G. V. Kibblewhite, Esq. | 5 | 1 | 1 150 | ... | 23·18 | ... | ... |

## DIVISION II—SOUTH-EASTERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge: Diam. | Rain-gauge: Height of Rim above Ground | Rain-gauge: Height of Ground above Sea Level | Average Rainfall | 1952: Rainfall | 1952: Days with ·01 in. or more | 1952: Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **KENT—(*contd.*).** | | *in.* | *ft.* *in.* | *ft.* | *in.* | *in.* | | |
| | **5.—THAMES. Darent & c. 256 sq. mi.** | | | | | | | | |
| d | Westerham Town | Metropolitan Water Board | 5 | 1 0 | 380 | 31·6 | 31·10 | ... | ... |
| D | Westerham Hill (Pumping Station) | Metropolitan Water Board | 5 | 1 0 | 539 | 32·6 | 34·27 | 182 | 147 |
| D | §Sundridge (Pumping Station) | Metropolitan Water Board | 5 | 1 0 | 270 | 29·2 | 29·65 | 170 | 134 |
| W | Sevenoaks (Bayleys Hill Reservoir) | E. H. Evans, Esq. | 8 | 1 3 | 696 | ... | 29·25 | ... | ... |
| d | Sevenoaks (Oak Lane) | E. H. Evans, Esq. | 8 | 1 6 | 428 | ... | 32·48 | ... | ... |
| d | §Tatsfield (Betsoms Hill) | Metropolitan Water Board | 5 | 1 0 | 820 | 33·1 | 32·39 | ... | ... |
| W | Seal (Oak Bank Reservoir) | E. H. Evans, Esq. | 8 | 1 3 | 548 | ... | 29·76 | ... | ... |
| D | Sevenoaks (Cramptons Road P.S.) | E. H. Evans, Esq. | 8 | 1 0 | 222 | ... | 28·73 | 163 | 124 |
| D | Seal (Kemsing Pumping Station) | E. H. Evans, Esq. | 5 | 1 3 | 292 | ... | 30·28 | 173 | 134 |
| D | Sevenoaks (Chevening Gardens) | Head Gardener | 5 | 1 0 | 350 | ... | 31·92 | 171 | 129 |
| d | Knockholt (Kent Waterworks) | Metropolitan Water Board | 5 | 1 0 | 785 | *29·9* | 32·51 | ... | ... |
| d | Biggin Hill Airfield | Meteorological Office | 5 | 1 0 | 560 | ... | 28·66 | 173 | 133 |
| D | Wrotham (Fairseat Manor) | A. E. D. Anderson, Esq. | 5 | 0 11 | 700 | ... | 32·33 | 174 | 139 |
| D | Downe (Down House) | Dr. O. J. R. Howarth, O.B.E. | 5 | 1 1 | 560 | ... | 30·61 | 174 | 129 |
| D | Keston (Keston Court Farm) | A. T. Miller, Ltd. | 5 | 1 0 | ... | ... | 29·63 | 162 | 122 |
| D | Shoreham (Highfield) | Sir Herbert B. Cohen, Bart. | 5 | 0 9 | 650 | ... | 30·30 | 149 | 131 |
| D | West Wickham (Pumping Station) | Metropolitan Water Board | 5 | 1 0 | 240 | ... | 26·11 | 162 | 126 |
| D | Eynsford (Pumping Station) | Metropolitan Water Board | 5 | 1 2 | 131 | ... | 24·54 | 161 | 122 |
| W | Farningham (Dunbrae) | Bertram Grey, Esq. | 5 | 1 0 | 230 | ... | 24·88 | ... | ... |
| D | Orpington (Kent Waterworks) | Metropolitan Water Board | 5 | 0 7 | 220 | ... | 27·09 | 189 | 127 |
| d | Orpington (Park Avenue) | A. R. A. Griffin, Esq. | 5 | 1 0 | 550 | ... | 28·20 | ... | ... |
| D | Longfield (Hartley) | Hartley Water Committee | 5 | 1 0 | 270 | ... | 26·69 | 162 | 128 |
| d | Crockenhill (Wested Farm) | A. T. Miller, Ltd. | 5 | 1 6 | 331 | ... | 24·66 | ... | 120 |
| D | Orpington (Chislehurst Road) | J. S. Powell, Esq. | 5 | 1 0 | 272 | ... | 26·13 | 178 | 120 |
| D | Cobham (Jeskyns Court) | Miss D. M. Pye | 5 | 4 0 | 264 | ... | 25·90 | 163 | 116 |
| D | Horton Kirby (Court Lodge) | R. W. Rogers, Esq. | 5 | 1 9 | 50 | ... | 23·38 | 146 | 109 |
| D | Nurstead (Downs Road W.W.) | Gravesend & Milton W.W.Co. | 8 | 1 10 | 164 | ... | 26·72 | 166 | 119 |
| D | BROMLEY | Borough Engineer | 5 | 1 0 | 213 | 24·2 | 26·22 | 165 | 119 |
| D | Bromley (Bishops Avenue) | G. H. Franey, Esq. | 8 | 1 0 | 190 | ... | 27·71 | 178 | 121 |
| D | Beckenham (Croydon Road) (+A) | Borough Engineer | 8 | 1 0 | 110 | ... | 26·62 | 170 | 120 |
| d | Penge (Recreation Ground) | Surveyor | 5 | 1 1 | 122 | 24·6 | 27·11 | ... | 122 |
| D | Anerley (Oakfield Road) | Miss S. Stannard | 5 | 1 5 | 180 | ... | 26·86 | 179 | 117 |
| D | Chislehurst (Scadbury Park) | Maj. J. Marsham-Townshend | 5 | 1 0 | 240 | 24·6 | 24·38 | 179 | 116 |
| D | Chislehurst (Camden Park Road) | G. C. Hawkins, Esq. | 5 | 1 0 | 300 | ... | 26·24 | 165 | 123 |
| D | Bromley (Henville Road) | W. M. Smith, Esq., M.B.E. | 5 | 0 8 | 230 | ... | 24·08 | 170 | 110 |
| d | Southfleet (Hook Place Farm) | J. J. Barker, Esq. | 5 | 1 0 | 100 | 24·1 | 22·36 | ... | ... |
| D | Wilmington (Orchard Way) | L. H. Stone, Esq. | 5 | 1 0 | 115 | ... | 23·20 | 162 | 111 |
| D | WILMINGTON (Glasshouse Dem. Stn.) | Kent Education Committee | 5 | 1 0 | 212 | ... | 22·97 | 168 | 123 |
| D | §Southfleet (Kent Waterworks) | Metropolitan Water Board | 5 | 1 0 | 82 | ... | 22·51 | 158 | 113 |
| D | Wilmington (Kent Waterworks) (+A) | Metropolitan Water Board | 5 | 1 5 | 25 | ... | 23·82 | 158 | 112 |
| D | DARTFORD (Central Park) (+A) | Borough Engineer | 5 | 1 0 | 17 | ... | 22·48 | 164 | 113 |
| d | Stone (Stone House Hospital) | G. Jones, Esq. | 5 | 1 2 | 115 | ... | 21·86 | ... | ... |
| D | Bexleyheath (Danson Park) (+A) | Surveyor | 5 | 1 0 | 164 | ... | 23·95 | 170 | 113 |
| d | Dartford (Sewage Works) z | Resident Engineer | 5 | 1 0 | 14 | ... | 22·47 | 143 | 111 |
| d | Northumberland Heath (Co. Sec. Sch.) | Headmaster | 5 | 1 0 | 150 | ... | 23·28 | ... | ... |
| D | Erith (Sewage Works) | Erith U.D.C. | 5 | 1 0 | 13 | ... | 22·20 | 150 | 108 |
| D | Higham (Waterworks) | Engineer and Manager | 8 | 1 0 | 141 | ... | 27·06 | 149 | 115 |
| d | Erith (Crossness) | London County Council | 5 | 1 8 | 26 | 20·8 | 20·37 | ... | ... |
| | **SUSSEX. (Area, 1,458 sq. mi.)** | | | | | | | | |
| | **1.—LAVANT & C. 175 sq. mi.** | | | | | | | | |
| D | Sidlesham (Council School) | Headmaster | 5 | 1 0 | 15 | ... | 27·89 | 142 | 131 |
| D | BOGNOR REGIS (Waterloo Square) | Town Clerk | 8 | 1 0 | 24 | 25·9 | 28·86 | 157 | 117 |
| D | Bognor Regis (Albert Road) | W. L. Guermonprez, Esq. | 8 | 1 0 | 17 | 26·3 | 29·59 | 178 | 120 |

§ Turf wall round gauge.

## DIVISION II—SOUTH-EASTERN COUNTIES—(*contd.*)

| | STATIONS | | AUTHORITIES | Rain-gauge Diam. | Height of Rim above Ground | Height of Ground above Sea Level | Average Rainfall | 1952 Rainfall | Days with ·01 in. or more | Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|---|
| | SUSSEX—(*contd.*). | | | *in.* | *ft.* *in.* | *ft.* | *in.* | *in.* | | |
| | **1.—LAVANT & C.—(*contd.*).** | | | | | | | | | |
| D | CHICHESTER (BIRDHAM) | | S. A. Searle, Esq. | 5 | 1 0 | 16 | ... | 27·50 | 143 | 114 |
| D | Merston (Abelands) | | The Hon. Sybil Hood | 5 | 0 9 | 24 | 28·8 | 28·34 | 155 | 122 |
| D | Bosham (Cobnor) | | Major S. W. P. Beale | 5 | 0 10 | 8 | 27·7 | 28·58 | 142 | 109 |
| D | Thorney Island Airfield | | Meteorological Office | 5 | 1 0 | 11 | ... | 26·10 | 156 | 113 |
| D | Chidham (Chidmere) | | H. L. Baxendale, Esq. | 5 | 1 0 | 14 | 27·0 | 28·58 | 149 | 118 |
| D | Chichester (Apuldram) | | S. J. K. Eames, Esq. | 5 | 0 10 | 14 | 27·9 | 27·02 | 145 | 115 |
| D | Chichester (Kingsham Farm) | | Director of Agriculture | 5 | 1 0 | 35 | 29·0 | 29·00 | 149 | 115 |
| D | Chichester (West Street) | | Dr. W. Dick | 5 | 1 0 | 40 | 28·3 | 29·03 | 150 | 117 |
| D | Chichester (County Hall) | | D. Farr, Esq, | 5 | 1 0 | 40 | 29·1 | 28·65 | 159 | 117 |
| D | TANGMERE Airfield | (+A) | Meteorological Office | 5 | 1 0 | 50 | ... | 28·17 | 171 | 123 |
| D | Arundel (West Walberton) | | P. A. Bissett, Esq. | 5 | 1 0 | 90 | ... | 30·23 | 167 | 127 |
| D | Chichester (Funtington Pumping Stn.) | | A. N. Burgess, Esq. | 5 | 1 0 | 112 | ... | 31·34 | 165 | 130 |
| D | Emsworth (Stansted Park) | | The Earl of Bessborough | 5 | 1 1 | 140 | ... | 32·95 | 179 | 121 |
| D | West Dean Park | | W. H. Lines, Esq. | 5 | 1 0 | 190 | 36·4 | 37·01 | 166 | 130 |
| D | Chilgrove House (Lawn) | | Col. C. F. W. Dimond | 5 | 1 0 | 253 | 35·0 | 35·35 | 148 | 127 |
| D | Compton (Compton House) | | Miss K. B. Langdale | 5 | 1 0 | 263 | 36·6 | 38·68 | 155 | 133 |
| | **2.—ARUN. 285 sq. mi.** | | | | | | | | | |
| D | LITTLEHAMPTON (Met. Station) | | Clerk to the U.D.C. | 5 | 1 0 | 19 | 26·2 | 29·03 | 166 | 122 |
| D | Worthing (Ferring) | | Dr. L. S. F. Woodhead | 5 | 1 0 | 26 | ... | 28·74 | 173 | 115 |
| D | Angmering (Elmhurst) | | Miss M. Orme | 5 | 0 10 | 44 | 27·1 | 31·58 | 183 | 130 |
| D | Patching Farm | | Michael Drewitt, Esq. | 5 | 1 0 | 180 | 30·8 | 30·47 | 155 | 127 |
| D | Arundel Castle | | The Duke of Norfolk | 5 | 1 0 | 106 | 31·3 | 29·49 | 156 | 125 |
| D | South Harting (Rose Croft) | | A. A. Cooper, Esq. | 5 | 1 0 | 230 | ... | 36·76 | 165 | 137 |
| D | Storrington (Greyfriars) | | Major J. R. Abbey | 5 | 1 0 | 250 | 35·6 | 32·82 | 137 | 117 |
| | Bignor | | Major G. B. Hill, O.B.E. | 5 | 1 0 | 175 | 37·3 | 35·73 | ... | ... |
| D | Pulborough (Parham) | | R. E. Whitaker, Esq. | 5 | 1 6 | 98 | 33·6 | 31·35 | 167 | 131 |
| D | Sutton (Hurst Cottage): | | A. B. Boxall, Esq. | 5 | 4 0 | 200 | ... | 35·19 | 177 | 130 |
| D | Pulborough (Bignor Park) | | The Viscountess Mersey | 5 | 1 3 | 75 | ... | 35·89 | 175 | 134 |
| D | Petworth (Barlavington Farm) | | J. A. G. Bragg, Esq. | 5 | 0 9 | 181 | ... | 36·46 | 158 | 132 |
| D | Pulborough (Codmore Hill) | | A. Newnham, Esq. | 5 | 1 0 | 165 | 32·0 | 29·01 | 184 | 125 |
| D | Byworth (Edgehill) | | W. H. Boniface, Esq. | 5 | 1 0 | 100 | ... | 33·54 | 171 | 131 |
| D | Petworth Park Gardens | | Lord Leconfield | 5 | 1 0 | 250 | 33·1 | 32·94 | 164 | 127 |
| D | Rogate (Fyning) | | H. W. A. Bodkin, Esq. | 5 | 1 0 | 230 | 31·2 | 31·99 | 171 | 123 |
| D | FERNHURST (Research Sation) | | Plant Protection Ltd. | 8 | 1 0 | 229 | ... | 33·77 | 187 | 128 |
| D | Kirdford (Hills Green) | | L. Baker, Esq. | 5 | 1 0 | 150 | 27·8 | 27·51 | 145 | 120 |
| D | Liss (Clayton Court) | | Head Gardener | 5 | 1 0 | 480 | 35·2 | 37·04 | 189 | 139 |
| D | Liss (Hill Brow) | | F. W. Beckford, Esq. | 5 | 1 0 | 500 | 35·8 | 35·67 | 210 | 132 |
| d | Horsham (Whites Bridge) | | N.W. Sussex Water Board | 5 | 1 0 | 157 | 30·9 | 30·26 | ... | ... |
| d | Horsham (Tower Hill) | | Mrs. Marsh | 5 | 1 0 | 220 | 28·3 | 28·07 | ... | ... |
| D | Horsham (Sewage Disposal Works) | | J. P. Ridd, Esq., B.Sc., C.E. | 8 | 1 0 | 120 | 29·3 | 28·97 | 177 | 114 |
| d | Horsham (Rushams Road) | | A. H. Wickersham, Esq. | 5 | 1 0 | 140 | ... | 29·58 | 177 | 130 |
| D | Horsham (Windyridge) | | R. A. West, Esq. | 5 | 1 0 | 260 | ... | 28·34 | 158 | 129 |
| D | Horsham (Wimblehurst) | | Miss E. M. Allcard | 5 | 1 0 | 195 | 30·0 | 30·58 | 172 | 136 |
| D | Horsham (North Parade) | | G. N. Slyfield, Esq. | 5 | 1 0 | 166 | ... | 29·20 | 165 | 126 |
| D | Rudgwick (Swaynes) | | S. D. Secretan, Esq., J.P. | 5 | 0 11 | 121 | 26·7 | 28·27 | 186 | 137 |
| D | Rusper (The Nunnery) | | Sir Cecil Hurst, G.C.M.G. | 5 | 1 6 | 260 | 30·8 | 30·77 | 184 | 134 |
| | **3.—ADUR & C. 237 sq. mi.** | | | | | | | | | |
| D | WORTHING (Beach House Park) | (+A) | Medical Officer of Health | 8 | 1 0 | 25 | 27·5 | 28·54 | 175 | 125 |
| d | Goring-by-Sea (Highdown Tower) | | Col. F. C. Stern | 5 | 0 9 | 100 | ... | 27·32 | ... | 111 |
| D | Brighton (Ovingdean) | | L. H. B. Woodhead, Esq. | 8 | 1 0 | 161 | ... | 30·47 | 167 | 122 |

## DIVISION II—SOUTH-EASTERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge: Diam. | Rain-gauge: Height of Rim above Ground | Rain-gauge: Height of Ground above Sea Level | Average Rainfall | 1952: Rainfall | 1952: Days with ·01 in. or more | 1952: Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **SUSSEX—(*contd.*).** | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **3.—ADUR & C.—(*contd.*).** | | | | | | | | |
| D | BRIGHTON (Old Steyne) | F. N. Green, Esq., C.E. | 5 | 1 0 | 32 | 28·1 | 29·91 | 166 | 118 |
| D | Hove (Goldstone Crescent) | Guy Michell, Esq. | 5 | 0 8 | 150 | ... | 32·39 | 162 | 130 |
| D | Brighton W.W. (Goldstone Bottom) | F. N. Green, Esq., C.E. | 8 | 1 0 | 142 | ... | 29·53 | 170 | 121 |
| D | Brighton W.W. (Lewes Road) | F. N. Green, Esq., C.E. | 8 | 3 8 | 139 | 29·9 | 31·25 | 176 | 119 |
| D | Brighton W.W. (Shoreham) | F. N. Green, Esq., C.E. | 8 | 1 8 | 9 | 29·2 | 31·90 | 179 | 138 |
| D | Brighton W.W. (Mile Oak) | F. N. Green, Esq., C.E. | 8 | 1 0 | 166 | ... | 33·45 | 178 | 134 |
| D | Brighton W.W. (Race Hill Res.) | F. N. Green, Esq., C.E. | 8 | 1 0 | 456 | 31·6 | 34·47 | 182 | 129 |
| D | §Brighton W.W. (Balsdean Res.) | F. N. Green, Esq., C.E. | 5 | 1 0 | 399 | ... | 33·03 | 167 | 126 |
| D | Brighton W.W. (Balsdean P.S.) | F. N. Green, Esq., C.E. | 5 | 1 0 | 188 | ... | 31·65 | 167 | 123 |
| D | Brighton W.W. (Falmer) | F. N. Green, Esq., C.E. | 8 | 1 0 | 200 | 32·1 | 33·75 | 169 | 125 |
| D | Findon (North End) | Mrs. B. H. Madge | 5 | 1 0 | 211 | ... | 35·49 | 173 | 129 |
| D | Findon (Steep Lane) | T. G. Judge, Esq. | 8 | 3 0 | 200 | ... | 32·90 | 165 | 141 |
| D | Brighton W.W. (Patcham) | F. N. Green, Esq., C.E. | 5 | 1 0 | 205 | 31·8 | 32·12 | 164 | 127 |
| D | Hassocks (Newtimber Place) | The Countess Buxton | 5 | 0 8 | 100 | ... | 31·56 | 157 | 121 |
| D | Hassocks (The Croft) | Miss M. J. Taylor | 5 | 1 0 | 200 | 35·6 | 34·03 | 171 | 128 |
| D | Henfield (Townmead) | Miss H. Dixon Brown | 5 | 1 0 | 100 | 31·7 | 26·33 | 148 | 109 |
| D | Hurstpierpoint (Brundall) | R. E. Toombs, Esq. | 5 | 1 0 | 140 | ... | 30·04 | 171 | 120 |
| D | West Grinstead (Knepp Castle Gdns.) | Capt. W. R. Burrell | 5 | 3 6 | 50 | ... | 30·64 | 181 | 129 |
| D | Horsham (Sedgewick Park) | Rt. Hon. Lord Rotherwick | 5 | 1 0 | 280 | ... | 29·30 | 177 | 125 |
| | **4.—OUSE. 224 sq. mi.** | | | | | | | | |
| D | Seaford (Newlands) | Capt. T. Manning, C.B.E. | 5 | 1 0 | 150 | 28·6 | 29·51 | 159 | 114 |
| D | SEAFORD | Surveyor | 5 | 1 0 | 45 | ... | 29·92 | 158 | 116 |
| D | Newhaven (Poverty Bottom W.W.) | F. B. Lumsden, Esq. | 8 | 2 6 | 48 | 28·8 | 31·19 | 162 | 124 |
| D | Lewes W.W. (Kingston) | Borough Water Engineer | 8 | 1 3 | 11 | 34·6 | 36·06 | 175 | 134 |
| D | Lewes (The Avenue) | R. Shanks, Esq. | 5 | 1 0 | 130 | ... | 33·71 | 163 | 123 |
| d | Piltdown (Moses Farm) | J. E. Archard, Esq. | 5 | 1 8 | 150 | 30·2 | 29·28 | ... | 113 |
| D | Uckfield (County Sec. School) | H. F. Pearmain, Esq., M.A. | 5 | 1 6 | 157 | ... | 29·67 | 141 | 110 |
| d | Piltdown (Ringwood) | Capt. Stanley Pott | 5 | 1 3 | 120 | ... | 27·80 | ... | ... |
| D | Haywards Heath (Abbots Leigh) | C. Hales, Esq., J.P. | 5 | 1 0 | 250 | ... | 31·26 | 157 | 120 |
| D | Haywards Heath (Paddock Hall Rd.) | Chas. Holman, Esq. | 5 | 1 0 | 260 | ... | 32·31 | 185 | 123 |
| d | Fletching (Wilmhurst) | H. H. W. Boyes, Esq. | 5 | 0 8 | 290 | ... | 31·82 | ... | ... |
| D | Horsted Keynes (Holy Well P.S.) | W. H. Ashmole, Esq. | 8 | 1 8 | 124 | 31·5 | 30·67 | 180 | 126 |
| D | Horsted Keynes (Cinder Hill) | L. A. Wood, Esq. | 5 | 1 0 | 300 | ... | 32·13 | 195 | 135 |
| D | Horsted Keynes (Birch Grove) | Miss Fyfe | 5 | 1 0 | 400 | 31·4 | 31·10 | 193 | 133 |
| D | Balcombe (Lullings) | Mrs. M. Holland | 5 | 1 0 | 348 | 34·8 | 34·77 | 189 | 138 |
| D | Balcombe (Waterworks) | W. H. Ashmole, Esq. | 8 | 1 0 | 467 | 33·9 | 30·51 | 178 | 130 |
| D | Balcombe (Highley Manor) | Mr. B. T. Brooks | 8 | 1 6 | 420 | 34·2 | 34·67 | 201 | 141 |
| d | Worth Priory | Rev. A. M. Bell | 5 | 1 0 | 480 | 33·2 | 29·85 | ... | ... |
| | **5.—CUCKMERE & C. 189 sq. mi.** | | | | | | | | |
| D | EASTBOURNE (Wilmington Square) | Medical Officer of Health | 5 | 1 0 | 20 | 30·7 | 30·40 | 172 | 117 |
| D | EASTBOURNE (Coastguard Station) | H.M. Coastguard, for M.O. | 5 | 1 0 | 17 | ... | 30·22 | 166 | 116 |
| D | Eastbourne (Summerdown Road) | A. C. Fraser, Esq. | 5 | 1 0 | 122 | ... | 30·50 | 149 | 118 |
| D | Friston (Water Tower) | Eastbourne Waterworks | 5 | 1 0 | 389 | ... | 33·51 | 169 | 127 |
| D | Friston | Eastbourne Waterworks | 8 | 1 0 | 104 | *30·8* | 33·97 | 182 | 136 |
| D | Jevington | Eastbourne Waterworks | 8 | 1 0 | 274 | *31·7* | 35·86 | 178 | 129 |
| D | Litlington | Eastbourne Waterworks | 8 | 1 0 | 19 | *30·5* | 32·92 | 159 | 123 |
| D | Pevensey (Pumping Station) | Hailsham R.D.C. | 5 | 1 0 | 12 | *27·0* | 29·21 | 156 | 120 |
| D | Pevensey Bay (Pumping Station) | Hailsham R.D.C. | 5 | 1 0 | 7 | *27·0* | 29·51 | 153 | 114 |
| D | Polegate (Sewage Works) | Hailsham R.D.C. | 5 | 1 0 | 26 | ... | 34·57 | 177 | 131 |

§ Turf wall round gauge.

## DIVISION II—SOUTH-EASTERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Height of Rim above Ground | Height of Ground above Sea Level | Average Rainfall | 1952 Rainfall | Days with ·01 in. or more | Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | SUSSEX—(*contd.*). | | *in.* | *ft.* *in.* | *ft.* | *in.* | *in.* | | |
| | **5.—CUCKMERE & C.—(*contd.*).** | | | | | | | | |
| D | Polegate (Winfield Farm) (+A) | A. E. Moon, Esq. | 5 | 1 0 | 35 | ... | 33·99 | 173 | 119 |
| d | Hailsham (Michelham Priory) | F. G. H. Storey, Esq., M.A. | 5 | 1 0 | 45 | ... | 32·24 | ... | 102 |
| D | Bexhill (Pebsham Lane) | Mrs. C. A. Bishop | 5 | 1 0 | 40 | ... | 30·08 | 184 | 110 |
| D | Bexhill (Egerton Park) | Bor. Council (H. J. Sargent) | 8 | 1 0 | 12 | 26·3 | 29·74 | 160 | 113 |
| D | Hastings (White Rock) | Town Clerk | 5 | 1 0 | 149 | 28·7 | 29·69 | 164 | 111 |
| d | St. Leonards (Filsham W.W.) | Water Engineer (Hastings) | 5 | 1 0 | 37 | 27·3 | 29·81 | 145 | 103 |
| D | Hailsham (Magham Down) | E. M. Bear, Esq. | 5 | 1 0 | 90 | 28·4 | 30·94 | 163 | 120 |
| D | Hellingly (Amberstone) | Eastbourne Waterworks | 5 | 1 2 | 29 | ... | 29·80 | 148 | 115 |
| D | Hellingly (Hospital) | Medical Superintendent | 5 | 0 7 | 140 | ... | 31·47 | 179 | 128 |
| D | Hazards Green (Pumping Station) | Bexhill Waterworks | 5 | 1 7 | 74 | 26·0 | 30·33 | 169 | 118 |
| D | Hastings (Newgate) | Water Engineer | 8 | 1 0 | 243 | 27·5 | 30·17 | 163 | 115 |
| D | Hastings (Clive Avenue) | A. D. Moon, Esq. | 5 | 1 0 | 328 | 28·4 | 35·96 | 174 | 128 |
| D | Hastings (Halton Reservoir) | Water Engineer | 5 | 1 0 | 294 | 28·6 | 31·95 | 157 | 116 |
| D | Battle (Crowhurst Park) | Mr. H. Thompsett | 8 | 1 0 | 440 | ... | 33·98 | 175 | 141 |
| D | Cowbeech (Pumping Stetion) | Bexhill Waterworks | 5 | 1 7 | 100 | ... | 28·95 | 168 | 113 |
| D | Horam (Coxlow) | Major E. Harrison | 5 | 1 0 | 260 | 29·7 | 32·57 | 160 | 124 |
| D | Heathfield (Birchford Farm) | Mrs. D. Hook | 5 | 1 0 | 358 | ... | 36·46 | 178 | 138 |
| D | Heathfield (Cross-in-Hand) | C. Birnstingl, Esq. | 5 | 1 0 | 305 | ... | 35·46 | 191 | 128 |
| | **6.—ROTHER. 194 sq. mi.** | | | | | | | | |
| D | Icklesham | Kent River Board | 8 | 1 6 | 150 | ... | 31·86 | 162 | 109 |
| D | Hastings (Fairlight Reservoir) | Water Engineer | 5 | 1 0 | 513 | *29·3* | 32·92 | 158 | 116 |
| D | Hastings (Fairlight, Machico) | E. J. Watts, Esq. | 5 | 1 0 | 100 | *27·6* | 30·67 | 151 | 125 |
| D | Battle (Oakhurst Road) | A. G. Culmer, Esq. | 5 | 1 6 | 275 | ... | 36·80 | 176 | 129 |
| D | Brede (Pumping Station) | Water Engineer (Hastings) | 5 | 1 0 | 26 | 28·3 | 32·74 | 161 | 125 |
| D | Sedlescombe (Rectory) | Rev. G. N. Martin | 5 | 1 0 | 188 | ... | 34·12 | 174 | 119 |
| D | Udimore (The Wick) | Major R. P. Mair | 8 | 1 0 | 92 | *28·9* | 32·12 | 144 | 110 |
| D | Rye (Midrips) | Kent River Board | 8 | 1 0 | 15 | ... | 26·93 | 152 | 106 |
| D | Playden (Scots Float) | Kent River Board | 5 | 0 10 | 14 | ... | 30·84 | 151 | 116 |
| D | Brightling Park | T. P. Tew, Esq. | 5 | 1 0 | 545 | 34·1 | 37·79 | 184 | 135 |
| D | Brightling (Bleak House) | T. W. C. Terry, Esq. | 5 | 1 0 | 550 | ... | 37·46 | 184 | 135 |
| d | Robertsbridge (Darvell Hall San.) | Medical Superintendent | 5 | 3 0 | 100 | 29·1 | 34·09 | ... | 111 |
| d | Peasmarsh (Woodside) | T. G. J. Binnie, Esq. | 5 | 1 0 | 100 | 30·1 | 31·13 | ... | 110 |
| D | Burwash (Burnt House Farm) | Capt. F. S. Gregory | 5 | 1 0 | 350 | ... | 38·24 | 150 | 138 |
| D | Burwash (Bateman's) | C. W. Parish, Esq. | 5 | 1 0 | 50 | ... | 39·65 | 167 | 134 |
| D | Iden (Havencroft) | J. N. Baker, Esq. | 5 | 0 10 | 134 | ... | 32·66 | 160 | 115 |
| D | Rye (Iden) | Admiral Sir Aubrey Smith | 5 | 1 0 | 150 | ... | 28·70 | 147 | 114 |
| D | Hawkhurst (Bodiam) | A. Guinness, Son & Co., Ltd. | 5 | 1 0 | 71 | ... | 33·38 | 181 | 123 |
| D | Hurst Green (Bellhurst Farm) | C. C. Langer, Esq. | 5 | 1 0 | 275 | ... | 32·77 | 176 | 118 |
| D | Northiam (Great Dixter) | Mrs. Lloyd | 5 | 1 0 | 209 | 29·5 | 32·55 | 167 | 119 |
| D | Burwash (Crowhurst Bridge) | Heathfield Dist. Water Co. | 5 | 0 11 | 97 | ... | 33·22 | 164 | 124 |
| D | Mayfield (Cranesden) | Sir Frederick Godber | 5 | 1 0 | 345 | ... | 33·83 | 168 | 138 |
| D | Ticehurst (Stonegate) | W. J. Wheeler, Esq. | 5 | 1 0 | 230 | 32·6 | 34·75 | 157 | 132 |
| | **7.—MEDWAY. 117 sq. mi.** | | | | | | | | |
| D | Rotherfield (Horsegrove Farm) | F. W. Shaw, Esq. | 5 | 1 0 | 528 | 35·3 | 35·06 | 182 | 140 |
| D | Crowborough (Jarvis Brook) | Crowborough Water Co. | 5 | 1 0 | 325 | 35·0 | 35·07 | 185 | 145 |
| D | Jarvis Brook (Salters) | Gp. Capt. J. Hunnard | 5 | 1 6 | 400 | ... | 33·71 | 189 | 140 |
| d | Crowborough (The Beacon) | A. R. Allcroft, Esq. | 5 | 1 0 | 796 | 36·7 | 34·79 | ... | 139 |
| D | Tunbridge Wells (Cousley Wood) | A. Wilkin, Esq. | 5 | 1 0 | 415 | ... | 31·19 | 195 | 145 |
| D | Hartfield (Beechcroft) | Miss E. A. Foyster | 5 | 1 0 | 370 | 34·5 | 33·14 | 204 | 138 |
| D | Forest Row (Rustcot) | Mrs. J. E. Brown | 5 | 1 0 | 200 | ... | 33·92 | 170 | 138 |
| D | West Hoathly (Duckyls) | Mrs. Craven Moore | 5 | 1 0 | 600 | ... | 34·46 | 160 | 136 |
| D | Forest Row (Park Road) | J. R. Coulthard, Esq. | 5 | 4 6 | 300 | ... | 35·08 | 155 | 130 |

## DIVISION II—SOUTH-EASTERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1952 Rainfall | 1952 Days with ·01 in. or more | 1952 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **SUSSEX—(*contd.*).** | | *in.* | *ft.* *in.* | *ft.* | *in.* | *in.* | | |
| | **7.—MEDWAY—(*contd.*).** | | | | | | | | |
| D | East Grinstead (Standen) ... ... | Miss H. M. Beale ... ... | 5 | 0 7 | 450 | ... | 30·83 | 147 | 126 |
| D | Frant (Henley Gardens) ... ... | Colonel J. Benskin ... | 5 | 1 0 | 440 | 32·2 | 32·46 | 163 | 136 |
| d | Frant (Eridge Castle) ... ... ... | Mr. G. A. Funnell ... ... | 5 | 1 0 | 400 | 34·3 | 34·05 | ... | ... |
| D | Crawley Down (Grange Hill) ... | Miss L. T. A. Buckley ... | 5 | 1 0 | 450 | 32·7 | 33·81 | 170 | 137 |
| | **8.—THAMES. Mole. 27 sq. mi.** | | | | | | | | |
| D | Crawley (Broadfield) ... ... (+A) | A. J. W. McIntosh, Esq. | 5 | 1 0 | 300 | ... | 31·98 | 192 | 133 |
| D | Worth (Worth Lodge) ... ... ... | Miss M. C. Nix ... ... | 5 | 1 0 | 340 | 31·6 | 33·44 | 214 | 140 |
| D | Crawley (County Oak Sew. Wks.) (+A) | A. J. W. McIntosh, Esq. | 5 | 1 0 | 210 | ... | 29·96 | 191 | 129 |
| D | Crawley (The Beeches) ... ... | M. Longley, Esq. ... ... | 8 | 1 0 | 220 | 31·2 | 29·83 | 182 | 124 |
| | **9.—THAMES. Wey. 10 sq. mi.** | | | | | | | | |
| | **HAMPSHIRE. (Area 1,627 sq. mi.)** | | | | | | | | |
| | **1.—ISLE OF WIGHT. 150 sq. mi.** | | | | | | | | |
| D | ST. CATHERINE'S POINT (Lighthouse) ... | Trinity House, for M.O. ... | 5 | 1 0 | 51 | *27·8* | 32·95 | 156 | 119 |
| D | Ventnor (St. Lawrence) ... ... | Fraser Parkes, Esq.... ... | 5 | 0 9 | 100 | ... | 36·16 | 162 | 125 |
| D | Ventnor (Steephill Cove) ... ... | C. W. Lale, Esq. ... ... | 5 | 1 0 | 8 | ... | 34·95 | 175 | 127 |
| D | VENTNOR Park ... ... ... | Surveyor ... ... ... | 5 | 1 0 | 445 | 29·5 | 36·51 | 171 | 130 |
| D | Shanklin (Victoria Avenue) ... ... | Isle of Wight Water Board | 5 | 1 0 | 170 | ... | 35·19 | 170 | 128 |
| D | SHANKLIN ... ... ... ... | Sandown & Shanklin U.D.C. | 5 | 1 0 | 180 | ... | 36·03 | 168 | 126 |
| D | Brighstone (Pitt Place Cottage) ... | Mr. J. Higgins ... ... | 5 | 1 8 | 500 | *27·7* | 31·53 | 158 | 125 |
| D | Chillerton (Waterworks) ... ... | Isle of Wight Water Board | 8 | 1 2 | 125 | ... | 36·31 | 168 | 131 |
| D | SANDOWN (Sandham Gardens) ... | Sandown & Shanklin U.D.C. | 5 | 1 0 | 13 | *30·9* | 31·10 | 147 | 118 |
| D | Sandown (Adgestone) ... ... ... | Isle of Wight Water Board | 5 | 1 0 | 60 | ... | 33·04 | 165 | 128 |
| D | The Needles Golf Club ..... ... ... | Mrs. G. E. Newnham ... | 5 | 1 0 | 340 | *27·5* | 32·58 | 147 | 121 |
| D | Freshwater (Waterworks) ... ... | Isle of Wight Water Board | 8 | 0 10 | 9 | ... | 36·59 | 172 | 127 |
| D | Freshwater (Pumping Station) ... | Engineer in Charge ... | 8 | 1 3 | 5 | *28·8* | 34·55 | 157 | 124 |
| D | FRESHWATER (West Wight School) ... | Headmaster ... ... | 8 | 1 0 | 40 | ... | 34·01 | 159 | 118 |
| D | Knighton (Waterworks) ... ... | Isle of Wight Water Board | 5 | 0 10 | 100 | ... | 34·92 | 154 | 125 |
| D | NEWPORT (Recreation Ground) ... | Borough Engineer ... ... | 5 | 1 0 | 60 | *32·9* | 30·02 | 167 | 125 |
| D | RYDE (Esplanade Gardens) ... ... | Borough Publicity Dept. ... | 5 | 1 0 | 13 | *29·0* | 29·98 | 159 | 115 |
| D | §Cowes Waterworks (Broadfields) ... | Isle of Wight Water Board | 5 | 1 0 | 150 | *29·8* | 34·11 | 160 | 125 |
| D | Osborne ... ... ... ... ... | House Governor ... ... | 5 | 1 0 | 177 | 32·7 | 36·10 | 186 | 131 |
| | **2.—STOUR. 37 sq. mi.** | | | | | | | | |
| D | Bournemouth (Rothesay Road) ... | Dr. D. N. Seth-Smith ... | 5 | 0 8 | 180 | ... | 30·29 | 172 | 117 |
| D | Bournemouth (East Avenue) ... ... | J. E. Hewitt, Esq. ... ... | 5 | 1 0 | 143 | *28·6* | 30·64 | 155 | 119 |
| D | Christchurch (Air Compression Stn.) | Borough Surveyor ... ... | 5 | 1 3 | 0 | ... | 27·58 | 154 | 106 |
| D | HURN (Bournemouth Airport) ... | Meteorological Office ... | 5 | 1 0 | 33 | ... | 29·39 | 161 | 114 |
| | **3.—EAST AVON & C. 114 sq. mi.** | | | | | | | | |
| D | Christchurch (Harrow Lodge) ... | R. C. Bacon, Esq. ... ... | 8 | 1 0 | 135 | *31·3* | 33·86 | 171 | 121 |
| D | Ringwood (Bisterne) ... ... ... | Major J. D. Mills ... ... | 8 | 1 2 | 45 | *30·9* | 34·86 | 148 | 122 |
| D | Ringwood (Hangersley) ... ... | Col. E. G. St. Aubyn, D.S.O. | 5 | 0 9 | 200 | ... | 33·13 | 185 | 128 |
| D | RINGWOOD (Hightown) ... ... | Miss M. A. M. Penrose, B.Sc. | 8 | 1 0 | 250 | ... | 33·65 | 186 | 118 |
| D | Ringwood (Grey Friars) ... ... | Miss H. Christy ... ... | 5 | 1 0 | 50 | *28·4* | 34·14 | 174 | 115 |
| D | Ringwood (Linwood) ... ... ... | Miss R. M. Haines ... | 5 | 1 0 | 138 | *32·0* | 35·14 | 193 | 121 |
| d | Fordingbridge (Dockens) ... ... | E. W. Poore, Esq. ... ... | 8 | 1 0 | 140 | 31·1 | 30·07 | ... | ... |
| D | Fordingbridge (Furze Hill) ... ... | G. G. Smith, Esq. ... ... | 5 | 0 5 | 150 | ... | 33·35 | 173 | 134 |

§ Turf wall round gauge.

## DIVISION II—SOUTH-EASTERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1952 Rainfall | 1952 Days with ·01 in. or more | 1952 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **HAMPSHIRE—(*contd.*).** | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **4.—TEST & SOLENT. 551 sq. mi.** | | | | | | | | |
| D | Milford-on-Sea (Farlights) | Mrs. F. W. Brown | 5 | 1 0 | 50 | ... | 30·30 | 161 | 112 |
| D | Lymington (Stanley Road) | E. A. Robins, Esq. | 5 | 1 0 | 5 | ... | 30·38 | ... | ... |
| D | New Milton (Ashley County School) | Headmaster | 5 | 0 8 | 104 | *30·7* | 31·64 | 149 | 111 |
| | Sway (Little Flanders) | Rev. C. F. Ford | 5 | 1 0 | 200 | ... | 32·27 | ... | ... |
| | Sway (Gordleton) | W. F. Wright, Esq. | 5 | 1 6 | 102 | *29·7* | 30·31 | ... | ... |
| d | Lymington | Borough Engineer | 5 | 1 0 | 57 | ... | 32·54 | ... | 109 |
| d | Exbury | L. N. de Rothschild, Esq. | 5 | 1 0 | 80 | *29·2* | 31·54 | ... | 118 |
| D | Brockenhurst (County School) | Headmaster | 5 | 1 0 | 43 | ... | 32·49 | 162 | 112 |
| D | CALSHOT (+A) | Meteorological Office | 8 | 1 0 | 8 | 25·5 | 27·75 | 161 | 111 |
| D | Burley (Anderwood Cottage) | Forestry Commission | 5 | 1 0 | 135 | ... | 33·94 | 179 | 112 |
| D | Hythe (Butts Ash Lane) | Miss J. M. Baker | 5 | 1 0 | 130 | *30·6* | 34·34 | 200 | 125 |
| | Lyndhurst (Deerleap Nursery) | Forestry Commision | 5 | 1 6 | 85 | ... | 30·86 | ... | ... |
| d | Bartley (The Nurseries) | J. B. Browne, Esq. | 5 | 1 0 | 25 | *32·0* | 33·76 | ... | ... |
| D | SOUTHAMPTON (East Park) | Director, Ordnance Survey | 5 | 1 0 | 64 | 30·9 | 31·24 | 178 | 124 |
| D | Southampton (Regents Park) | D. J. P. Kendall, Esq. | 5 | 1 0 | 60 | ... | 30·84 | 166 | 119 |
| D | Southampton (South Hill Reservoir) | J. Hawksley, Esq., O.B.E. | 5 | 1 0 | 200 | 30·8 | 30·92 | 163 | 127 |
| D | Romsey (Embley Gardens) | A. White, Esq. | 5 | 1 0 | 130 | *30·3* | 31·59 | 179 | 122 |
| D | Romsey (Timsbury Pumping Station) | J. Hawksley, Esq., O.B.E. | 5 | 1 0 | 99 | 29·8 | 29·95 | 164 | 123 |
| D | Hursley (Merdon Manor) | Sir George Cooper, Bart. | 5 | 1 0 | 360 | ... | 30·62 | 178 | 135 |
| D | Sparsholt (Garstons) | Mrs. Simpson | 5 | 1 3 | 350 | ... | 31·23 | 175 | 137 |
| D | Stockbridge (Houghton Lodge) | Col. R. C. O. Parker, O.B.E. | 5 | 1 0 | 112 | *30·5* | 30·06 | 160 | 124 |
| D | Crawley (Chilbolton Down) | G. W. S. Beale, Esq. | 8 | 1 2 | 350 | *31·0* | 32·21 | 155 | 134 |
| D | Stockbridge (LECKFORD Estate) | General Manager | 5 | 1 0 | 385 | ... | 30·11 | 155 | 121 |
| D | Sutton Scotney (Wonston Manor) | J. H. Gray, Esq. | 5 | 1 0 | 233 | ... | 29·14 | 177 | 116 |
| D | Andover (Sewage Works) | Borough Surveyor | 8 | 1 0 | 180 | *28·9* | 31·00 | 180 | 142 |
| D | Andover (Waterworks) | Borough Surveyor | 8 | 1 0 | 205 | ... | 28·41 | 164 | 122 |
| d | Overton | Dr. J. Knaggs, F.I.C. | 5 | 1 0 | 240 | ... | 30·66 | ... | ... |
| D | St. Mary Bourne (Bournside) | Mrs. H. F. M. Boys, B. Sc. | 5 | 1 1 | 300 | *29·4* | 29·59 | 183 | 128 |
| D | Worting (Manydown Park) | Col. A. S. Bates, D.S.O. | 5 | 1 0 | 415 | *30·2* | 31·99 | 178 | 134 |
| D | Whitchurch (Dunley Manor) | Sir Alfred Herbert | 5 | 1 0 | 500 | *30·8* | 32·72 | 163 | 137 |
| D | Linkenholt Manor | R. Dudley, Esq. | 5 | 1 0 | 700 | *32·5* | 32·71 | 162 | 137 |
| | **5.—ITCHEN & SPITHEAD. 422 sq. mi.** | | | | | | | | |
| D | South Hayling (Loridge) | D. S. Bird, Esq. | 5 | 0 10 | 10 | ... | 29·43 | 149 | 114 |
| D | Gosport | Borough Surveyor | 8 | 0 9 | 30 | *28·8* | 29·58 | 158 | 116 |
| D | PORTSMOUTH (Southsea Common) | Medical Officer of Health | 5 | 1 0 | 7 | 27·7 | 28·14 | 159 | 114 |
| D | Portsmouth (Eastney) | City Engineer | 8 | 1 0 | 12 | *25·3* | 25·82 | 147 | 108 |
| D | Farlington (Pumping Station) | Portsmouth Water Co. | 5 | 1 0 | 78 | *28·5* | 29·17 | 161 | 124 |
| D | Farlington Reservoirs | Portsmouth Water Co. | 5 | 1 0 | 117 | ... | 29·20 | 162 | 127 |
| D | Farlington (Filter Works) | Portsmouth Water Co. | 5 | 1 0 | 157 | *27·9* | 28·48 | 160 | 125 |
| D | Havant (Portsmouth Waterworks) | Portsmouth Water Co. | 5 | 1 0 | 25 | *27·2* | 28·11 | 159 | 126 |
| D | Fareham (West Street) | N. E. Neville, Esq. | 5 | 1 0 | 41 | ... | 29·87 | 168 | 121 |
| d | Fareham (Maindell Waterworks) | Engineer & Surveyor | 8 | 1 6 | 36 | ... | 31·19 | 205 | 129 |
| | Southwick (Pinsley Lodge) | Portsmouth Water Co. | 5 | 1 0 | 150 | *29·6* | 29·47 | ... | ... |
| d | Woolston Depot | Engineer and Surveyor | 5 | 5 8 | 13 | 30·0 | 29·48 | ... | 112 |
| | Idsworth (Water Tower) | Portsmouth Water Co. | 5 | 1 0 | 202 | *31·0* | 32·51 | ... | ... |
| d | Idsworth (Quarry) | Agricultural Contractors Ltd | 5 | 1 0 | 320 | ... | 33·19 | ... | ... |
| | Southwick (Upper Beckford Farm) | Portsmouth Water Co. | 5 | 1 0 | 112 | *30·8* | 30·52 | ... | ... |
| D | Southampton (Portswood) | Borough Engineer | 5 | 1 10 | 10 | *29·7* | 29·37 | 174 | 110 |
| d | Botley (Uplands Farm) | Wilmot H. Yates, Esq. | 5 | 1 0 | 60 | *31·5* | 29·28 | ... | 116 |
| D | Curdridge (Sunnyside) | late W. S. J. Cooke, Esq. | 5 | 0 9 | 95 | *30·7* | 32·01 | 205 | 130 |
| | Catherington Reservoir | Portsmouth Water Co. | 5 | 1 0 | 428 | *34·2* | 33·66 | ... | ... |
| D | Swanmore (Holywell House) | Mrs. M. Portal | 5 | 1 6 | 180 | *32·2* | 30·85 | 165 | 131 |
| | Hambledon (Whitedale) | Portsmouth Water Co. | 5 | 1 0 | 223 | *34·0* | 31·18 | ... | ... |
| d | Soberton (Mislingford) | Gosport Waterworks Co. | 5 | 1 0 | 136 | *31·7* | 30·60 | 172 | 131 |
| D | Droxford (Upper Swanmore) | H. Gadsby, Esq. | 5 | 1 0 | 312 | ... | 31·94 | 174 | 138 |
| D | Bishops Waltham (Wintershill Hall) | Mr. E. A. Roberts | ... | 1 0 | 300 | ... | 29·39 | 165 | 119 |

## DIVISION II—SOUTH-EASTERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge: Diam. | Rain-gauge: Height of Rim above Ground | Rain-gauge: Height of Ground above Sea Level | Average Rainfall | 1952: Rainfall | 1952: Days with ·01 in. or more | 1952: Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **HAMPSHIRE—(*contd.*).** | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **5.—ITCHEN & SPITHEAD—(*contd.*).** | | | | | | | | |
| D | Petersfield (Ditcham Park) | Portsmouth Water Co. | 8 | 1 0 | 555 | ... | 36·93 | 172 | 139 |
| D | Otterbourne (Kingfisher Lodge) | Major T. T. Phelps | 5 | 0 10 | 80 | ... | 29·75 | 166 | 126 |
| D | Otterbourne (Waterworks) | J. Hawksley, Esq., O.B.E. | 5 | 1 0 | 113 | 30·7 | 32·20 | 198 | 138 |
| D | Twyford (Pumping Station) | J. Hawksley, Esq., O.B.E. | 5 | 1 0 | 139 | 31·1 | 30·50 | 172 | 127 |
| D | Twyford (Stonelea) | late Capt. G. Jensen | 5 | 0 8 | 120 | ... | 28·10 | 160 | 119 |
| D | WINCHESTER (Recreation Ground) | Medical Officer of Health | 5 | 1 0 | 121 | ... | 30·44 | 164 | 126 |
| D | Winchester (Romsey Road W.W.) | City Water Engineer | 5 | 2 0 | 270 | ... | 30·04 | 163 | 127 |
| D | Winchester (Bereweeke Road) | J. L. St. John | 5 | 1 0 | 225 | ... | 30·57 | 179 | 125 |
| D | Winchester (Christ Church Road) | F. E. Box, Esq. | 8 | 1 0 | 180 | ... | 30·61 | 192 | 129 |
| D | Winchester (Beaconsfield House) | F. B. Heathcote Wride, Esq. | 8 | 1 6 | 228 | ... | 31·48 | 184 | 129 |
| D | Ovington Rectory | Rev. H. L. Atkins | 5 | 1 0 | 221 | 33·2 | 33·40 | 165 | 121 |
| D | Bishop's Sutton | H. C. Mills, Esq. | 5 | 1 0 | 260 | ... | 33·61 | 167 | 128 |
| D | Itchen Abbas (Chilland) | W. J. Arnold, Esq. | 5 | 1 6 | 200 | *30·5* | 31·29 | 179 | 126 |
| d | Itchen Abbas (The Down House) | Mrs. E. G. Saville | 8 | 1 0 | 200 | ... | 28·25 | ... | 121 |
| D | Itchen Abbas (Barn Close) | Mrs. H. F. Rawstorne | 5 | 1 0 | 200 | ... | 31·13 | 184 | 126 |
| D | Ellisfield Manor | H. Hoare, Esq. | 5 | 1 0 | 635 | ... | 34·05 | 193 | 140 |
| D | Alresford (Lower Lanham) | C. H. Hayter, Esq. | 5 | 1 0 | 400 | ... | 34·66 | 192 | 139 |
| | **6.—ARUN. 82 sq. mi.** | | | | | | | | |
| d | Petersfield (Oaklea) | W. Bennetts, Esq. | 5 | 0 10 | 235 | ... | 36·60 | (148) | (122) |
| d | Liss (Kippences) | Rev. W. L. de B. Thorold | 5 | 0 9 | 250 | *33·3* | 33·96 | ... | ... |
| | Greatham (Manor House) | Capt. A. F. Coryton, J.P. | 5 | 1 0 | 260 | *32·5* | 30·81 | ... | ... |
| | **7.—THAMES. Wey. 92 sq. mi.** | | | | | | | | |
| D | East Tisted (Rotherfield Park) | Col. J. B. Scott | 5 | 1 0 | 555 | *37·1* | 35·32 | 165 | 133 |
| D | Selborne (The Wakes) | Mrs. Bibby | 5 | 1 0 | 400 | 35·3 | 36·41 | 190 | 141 |
| D | Alton (Treloar Orthopaedic Hospital) | Secretary | 5 | 1 6 | 350 | ... | 34·47 | 168 | 138 |
| D | Kingsley (Sleaford) | M. Nimmo, Esq. | 5 | 1 0 | 220 | ... | 29·39 | 189 | 128 |
| D | Alton (Waterworks) | Engineer and Surveyor | 5 | 1 0 | 440 | ... | 34·16 | 195 | 143 |
| D | ALICE HOLT LODGE | Forest Research Station | 5 | 1 0 | 378 | ... | 29·95 | 180 | 128 |
| M | Bentley (The Welches) | J. H. Massey, Esq. | 5 | 1 0 | 300 | ... | 28·69 | ... | ... |
| | **8.—THAMES. Loddon. 164 sq. mi.** | | | | | | | | |
| w | Swainshill | Mid-Wessex Water Co. | 5 | 1 7 | 550 | *30·5* | 31·69 | ... | ... |
| D | LONG SUTTON | Lord Wandsworth College | 5 | 1 0 | 479 | *28·2* | 30·42 | 158 | 130 |
| D | Basingstoke (Upton Grey House) | Mr. H. W. Kinge | 5 | 1 0 | 400 | *27·7* | 29·71 | 171 | 127 |
| D | Aldershot (Waterworks) | Mid-Wessex Water Co. | 5 | 1 0 | 251 | *27·0* | 29·38 | 173 | 123 |
| D | Aldershot Reservoirs | Mid-Wessex Water Co. | 5 | 1 0 | 393 | *27·2* | 27·94 | 179 | 124 |
| D | Odiham (Mill House) | W. M. Dean, Esq. | 5 | 1 0 | 241 | *26·0* | 28·44 | 149 | 121 |
| D | Odiham (Sewage Works) | Hartley Wintney R.D.C. | 5 | 0 10 | 240 | *26·5* | 26·60 | 149 | 113 |
| D | Greywell (Pumping Station) | Mid-Wessex Water Co. | 5 | 1 0 | 263 | *26·3* | 28·27 | 186 | 126 |
| D | Basingstoke (Chequers Road) | N. R. Grover, Esq. | 5 | 1 0 | 270 | ... | 30·44 | 167 | 121 |
| D | Hook (Nately Hatch) | R. C. Mallock, Esq. | 5 | 1 0 | 328 | *26·7* | 29·55 | 177 | 126 |
| D | Fleet (King's Road) | A. C. Allen, Esq. | 8 | 1 0 | 230 | ... | 30·11 | 166 | 135 |
| D | Sherborne St. John | A. G. Willis, Esq. | 5 | 2 2 | 260 | 29·0 | 29·29 | 154 | 126 |
| d | Hartley Wintney (Warren Heath) | Hartley Wintney R.D.C. | 5 | 1 0 | 226 | *25·8* | 26·16 | ... | ... |
| D | Hartley Wintney (S.D. Works) | Hartley Wintney R.D.C. | 5 | 1 0 | 180 | ... | 26·60 | 164 | 127 |
| D | SOUTH FARNBOROUGH (R.A.E.) (+A) | Meteorological Office | 8 | 1 0 | 226 | 26·1 | 26·91 | 172 | 123 |
| D | Winchfield (Elvetham Park) | Mr. T. J. Brownjohn | 8 | 1 0 | 217 | *26·8* | 27·37 | 156 | 112 |
| D | BRAMLEY (Ordance Depot) | Deputy Commander, R.E. | 5 | 1 0 | 196 | ... | 28·31 | 153 | 123 |
| D | Heckfield (Park Corner) | Mr. W. Smith | 5 | 1 2 | 257 | 24·6 | 28·13 | 184 | 128 |
| | **9.—THAMES. Kennet. 65 sq. mi.** | | | | | | | | |
| D | Kingsclere (Isle Hill) | C. E. Harvard, Esq. | 5 | 1 6 | 500 | ... | 33·67 | 175 | 142 |
| D | Highclere (Quarry Wood) | Miss E. K. Field | 5 | 1 7 | 400 | ... | 28·55 | 180 | 132 |
| D | Highclere (Horris Hill) | T. F. H. Morton, Esq. | 5 | 1 0 | 390 | ... | 30·19 | 183 | 135 |
| D | Kingsclere (N. Sydmonton House) | Lt.-Col. Kingsmill, D.S.O. | 5 | 1 2 | 350 | ... | 28·49 | 162 | 133 |
| D | Silchester House | T. M. Hartley, Esq. | 5 | 1 0 | 305 | *25·0* | 26·11 | 160 | 114 |

## DIVISION II—SOUTH-EASTERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1952 Rainfall | 1952 Days with ·01 in. or more | 1952 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **BERKSHIRE. (Area, 722 sq. mi.)** | | *in.* | *ft.* | *ft.* | *in.* | *in.* | | |
| | **1.—TEST. 2 sq. mi.** | | | | | | | | |
| | **2.—THAMES. Bourne. 15 sq. mi.** | | | | | | | | |
| D | Sunninghill (Blacknest Pumping Station) | Surveyor, Windsor R.D.C. | 8 | 1 0 | 130 | 26·0 | 27·50 | 172 | 129 |
| | **3.—THAMES. Loddon & c. 162 sq. mi.** | | | | | | | | |
| d | Wellington College | R. Moss, Esq., M.A., B.Sc. | 5 | 1 0 | 290 | *26·4* | 25·74 | ... | 105 |
| D | Beech Hill (Waveney) | Miss D. Page-Roberts | 5 | 1 0 | 220 | ... | 25·25 | 156 | 114 |
| d | Broadmoor Institution | Medical Superintendent | 5 | 1 0 | 300 | 27·6 | 24·42 | ... | 114 |
| D | Wokingham (Sindlesham House) | Mr. W. Balcombe | 5 | 4 0 | 200 | 25·4 | 26·59 | 140 | 114 |
| D | Wokingham, (Reading Road) | P. Chandler, Esq. | 5 | 1 0 | 182 | ... | 25·50 | 171 | 121 |
| D | Wokingham (Winnersh Nursery) | J. T. Adams, Esq. | 5 | 1 0 | 180 | ... | 25·38 | 148 | 112 |
| D | Earley (Wokingham Road) | W. Bates, Esq. | 5 | 1 0 | 150 | ... | 25·67 | 168 | 118 |
| D | Warfield (Jealott's Hill) | Imperial Chem. Industries | 5 | 1 0 | 220 | 25·8 | 24·92 | 181 | 125 |
| D | READING (SEED TRIAL GROUNDS) | Martin A. F. Sutton, Esq. | 5 | 1 0 | 141 | ... | 23·20 | 144 | 117 |
| D | Old Windsor (Straight Road) | G. W. E. Bye, Esq. | 5 | 1 0 | 59 | ... | 25·54 | 185 | 122 |
| D | Twyford (Beenham's Heath) | Mid-Wessex Water Co. | 5 | 1 0 | 139 | ... | 23·70 | 156 | 117 |
| D | Windsor (Bolton Road) | B. B. Summers, Esq. | 5 | 1 0 | 80 | ... | 25·49 | 174 | 114 |
| D | Windsor (Royal Gardens) | Head Gardener | 5 | 1 1 | 88 | 24·9 | 25·12 | 157 | 120 |
| D | Twyford (Hare Hatch) | J. Waterer, Sons & Crisp, Ltd. | 5 | 1 0 | 180 | ... | 29·55 | 182 | 139 |
| d | Wargrave (Piggott School) | Clement C. Bush, Esq. | 5 | 1 0 | 124 | ... | 23·23 | ... | 104 |
| D | Wargrave (The Thatched House) | Mrs. E. Sharp ,, | 5 | 1 0 | 200 | ... | 27·16 | 196 | 129 |
| D | Maidenhead (Sewage Works) (+A) | Borough Engineer | 5 | 1 0 | 81 | ... | 25·60 | 171 | 119 |
| | Pinkney's Green (Tweed Cottage) | the late R. P. Lord, Esq. | 5 | 1 0 | 240 | 26·7 | 26·32 | ... | ... |
| D | Maidenhead (Boulter's Lock) | Thames Conservancy | 5 | 1 6 | 82 | ... | 26·55 | 181 | 128 |
| D | Hambledon Lock | Mr. T. E. Wise | 5 | 2 0 | 105 | 27·0 | 29·06 | 180 | 129 |
| | **4.—THAMES. Kennet & c. 224 sq. mi.** | | | | | | | | |
| D | HURLEY (Hall Place Farm) | Min. of Agric. & Fisheries | 5 | 0 10 | 296 | ... | 25·05 | 168 | 125 |
| D | Hurley (Manor House) | A. A. Stone, Esq. | 5 | 1 0 | 96 | ... | 23·67 | 162 | 121 |
| D | Inkpen (New Mill) | G. C. Goodhart, Esq. | 5 | 1 5 | 485 | 32·5 | 32·27 | 186 | 129 |
| D | Newbury (Greenham Common) | A. A. Lawrence, Esq. | 5 | 1 5 | 500 | ... | 29·30 | 150 | 135 |
| D | Mortimer (Grazeley Green) | P. L. d'E. Skipwith, Esq. | 5 | 1 0 | 200 | 26·1 | 26·65 | 152 | 113 |
| d | Brimpton (Stonehouse) | F. L. Hadden, Esq. | 5 | 1 0 | 350 | 27·5 | 28·21 | ... | 125 |
| D | Hungerford Park | Mrs. A. G. Turner | 5 | 0 10 | 400 | ... | 29·05 | 166 | 139 |
| D | Newbury (Gloucester Road) | L. Giles, Esq. | 5 | 2 0 | 250 | ... | 29·08 | 169 | 134 |
| D | SHINFIELD (University Hort. Farm) | Prof. R. H. Stoughton, D.Sc. | 5 | 1 0 | 200 | ... | 24·96 | 162 | 115 |
| D | WOOLHAMPTON (Douai Abbey) | The Abbot | 5 | 1 0 | 370 | ... | 26·01 | 166 | 116 |
| D | Bucklebury Place | P. C. Bicknell, Esq. | 5 | 1 0 | 409 | ... | 26·09 | 163 | 118 |
| D | Reading Waterworks (Bath Road) | O. Kean, Esq., C.E. | 5 | 1 0 | 217 | 24·4 | 25·37 | 173 | 119 |
| D | Reading (Forbury Gardens) | K. H. Thorpe, Esq. | 5 | 1 0 | 143 | 24·9 | 26·64 | 163 | 126 |
| D | READING (University) | Prof. A. Austin-Miller | 5 | 1 0 | 152 | ... | 25·44 | 172 | 117 |
| D | Reading (Caversham Lock) (+A) | Thames Conservancy | 5 | 1 0 | 123 | ... | 24·71 | 175 | 120 |
| D | Caversham (St. Peter's Hill) | J. A. Sargent, Esq. | 5 | 1 6 | 210 | 25·0 | 24·62 | 152 | 115 |
| D | Chievely (Priors Court) | Mr. S. F. Tuffley | 5 | 1 0 | 403 | ... | 26·75 | 182 | 124 |
| d | Peasemore House | Mrs. E. Brown | 5 | 1 6 | 400 | ... | 24·94 | ... | 115 |
| | **5.—THAMES. Ock & c. 319 sq. mi.** | | | | | | | | |
| D | Stanford Dingley (Dingley Hill) | C. O. Lowsley, Esq. | 5 | 1 3 | 400 | ... | 24·52 | 162 | 118 |
| D | Reading (Englefield) | H. A. Benyon, Esq. | 5 | 1 0 | 175 | 27·4 | 26·68 | 163 | 120 |
| D | Bradfield (Pumping Station) | Mid-Wessex Water Co. | 5 | 1 0 | 174 | ... | 25·58 | 161 | 119 |
| d | Yattendon (Yattendon Court) | J. F. N. Grange, Esq. | 8 | 2 4 | 360 | ... | 26·36 | ... | ... |
| d | Ashampstead (Pyt House) | Capt. F. M. M. Carlisle | 5 | 1 0 | 260 | ... | 25·57 | ... | ... |
| D | Moulsford (The Old Vicarage) | Miss B. J. Abbott | 8 | 1 3 | 170 | ... | 26·32 | 169 | 111 |
| d | Wantage (Lockinge Estate Office) | Capt. J. H. Lane Fox | 5 | 1 1 | 400 | 27·8 | 27·28 | ... | 118 |
| D | Cholsey (School House) | W. D. Campbell, Esq. | 5 | 0 10 | 150 | ... | 26·54 | 187 | 127 |
| D | Cholsey (Bow Bridge) | Frank K. Weedon, Esq. | 5 | 1 0 | 151 | 24·9 | 24·48 | 161 | 109 |
| D | Wallingford (Wantage Road) | A. Tame, Esq. | 5 | 1 0 | 184 | ... | 22·94 | 148 | 112 |
| D | Wallingford (Style Acre) | A. L. Morphew, Esq. | 5 | 1 4 | 200 | 25·2 | 24·33 | 174 | 122 |

## DIVISION II—SOUTH-EASTERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1952 Rainfall | 1952 Days with ·01 in. or more | 1952 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **BERKSHIRE**—(*contd.*). | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **5.—THAMES. Ock & c.**—(*contd.*). | | | | | | | | |
| D | Didcot (Sewage Works) | Wallingford R.D.C. | 5 | 0 9 | 170 | ... | 25·29 | 176 | 124 |
| D | Faringdon (Shellingford House) | Mrs. K. Marshall | 5 | ... ... | 275 | ... | 27·69 | 171 | 128 |
| D | Abingdon (Sewage Works) | Borough Surveyor | 8 | 1 0 | 170 | 22·8 | 23·08 | 181 | 113 |
| D | Abingdon (The Firs) | Miss M. R. Challenor | 5 | 1 3 | 180 | 23·7 | 22·99 | 168 | 117 |
| D | Abingdon (Christ's Hospital) | F. Lewis, Esq. | 5 | 1 0 | 190 | ... | 22·94 | 150 | 117 |
| D | Abingdon (Frilford Heath) | R. A. Langford, Esq. | 5 | 1 0 | 240 | ... | 23·74 | 174 | 115 |
| D | ABINGDON Airfield (+A) | Meteorological Office | 5 | 1 0 | 210 | ... | 22·12 | 163 | 111 |
| D | Abingdon (Sandford Lane, S.W.) | D. Madley, Esq. | 8 | 1 5 | 220 | ... | 22·94 | 172 | 114 |
| D | Abingdon (Wootton Waterworks) | Borough Surveyor | 5 | 1 0 | 265 | ... | 22·89 | 164 | 118 |
| D | Boars Hill (Blackthorn) | A. C. Pilkington, Esq. | 5 | 1 0 | 410 | 25·6 | 25·52 | 186 | 122 |
| D | Oxford (Kennington Nursery) | Forestry Commission | 5 | 1 0 | 350 | 24·7 | 22·98 | 158 | 114 |
| D | Eynsham (Swinford Pumping Station) | H. H. Crawley, Esq., C.E. | 5 | 1 0 | 203 | ... | 25·87 | 155 | 115 |

## DIVISION III—SOUTH MIDLAND COUNTIES

**MIDDLESEX. (Area 232 sq. mi.)**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | **1.—THAMES. Colne & Brent. 185 sq. mi.** | | | | | | | | |
| D | Weybridge (Shepperton Lock) | Thames Conservancy | 5 | 1 0 | 41 | 23·1 | 27·84 | 170 | 127 |
| D | Sunbury (Thames Street) | K. H. M. Noble, Esq. | 5 | 1 6 | 32 | ... | 23·95 | 153 | 118 |
| D | Littleton (Queen Mary Reservoir) | Metropolitan Water Board | 5 | 1 0 | 44 | 23·0 | 27·19 | 152 | 127 |
| D | HAMPTON (Waterworks) | Metropolitan Water Board | 5 | 1 0 | 39 | 22·7 | 25·73 | 165 | 122 |
| D | Kempton (Waterworks) | Metropolitan Water Board | 5 | 1 0 | 40 | 22·6 | 23·01 | 149 | 119 |
| D | Hampton (Refuse Disposal Works) | L. G. Hamlin, Esq. | 5 | 1 1 | 60 | ... | 26·56 | 171 | 130 |
| D | Staines (Pumping Station) | Metropolitan Water Board | 5 | 1 0 | 55 | ... | 25·81 | 157 | 126 |
| D | Staines Reservoir (West Side) | Metropolitan Water Board | 5 | 1 0 | 53 | 23·8 | 26·79 | 157 | 129 |
| D | Isleworth (Mogden Works) (+A) | C. B. Townend, Esq., C.E. | 5 | 1 0 | 33 | ... | 24·99 | 162 | 120 |
| d | Longford (Perry Oaks Disp. Works) | C. B. Townend, Esq., C.E. | 5 | 1 0 | 77 | ... | 23·17 | ... | 115 |
| D | Hounslow (Pawnall Gardens) | P. W. Miller, Esq. | 5 | 1 6 | 70 | ... | 26·20 | 179 | 116 |
| D | Hounslow (Berkeley Avenue) | J. E. Cacutt, Esq. | 5 | 1 0 | 80 | ... | 24·57 | 157 | 118 |
| D | FELTHAM (LONDON AIRPORT) (+A) | Meteorological Office | 5 | 1 0 | 80 | ... | 24·29 | 155 | 108 |
| D | Sipson (Hollycroft) | R. R. Robbins, Esq. | 5 | 1 0 | 94 | 22·5 | 25·91 | 168 | 114 |
| D | Kew Bridge (Waterworks) | Metropolitan Water Board | 5 | 1 0 | 36 | 24·1 | 25·52 | 137 | 115 |
| d | Chiswick (Town Hall) | Borough Engineer | 8 | 1 4 | 27 | 23·3 | 23·47 | ... | ... |
| D | Harmondsworth (Road Res. Lab.) (+A) | D.S.I.R. | 5 | 1 0 | 80 | ... | 25·08 | 159 | 114 |
| D | Hanwell (+A) | Middlesex County Council | 5 | 1 9 | 36 | 24·5 | 26·58 | 172 | 115 |
| D | Hayes | H. J. Harley, Esq. | 8 | 1 0 | 120 | ... | 27·28 | 173 | 120 |
| D | Ealing (Hanger Hill Reservoir) | Metropolitan Water Board | 5 | 1 0 | 206 | 24·7 | 26·35 | 147 | 118 |
| d | Willesden Reservoir | Metropolitan Water Board | 5 | 1 0 | 167 | 25·6 | 27·58 | ... | ... |
| D | Willesden (Stonebridge Park) | Borough Engineer | 5 | 5 9 | 100 | ... | 30·32 | 157 | 122 |
| D | NORTHOLT Airport | Meteorological Office | 5 | 1 0 | 131 | ... | 28·76 | 170 | 109 |
| d | Greenford (Whitton Drive) | R. M. Eadie, Esq. | 5 | 1 4 | 152 | ... | 28·90 | ... | 114 |
| D | Wembley (Town Hall) (+A) | Borough Engineer | 5 | 1 0 | 187 | ... | 27·72 | 165 | 113 |
| D | Harrow (Oakhurst) | A. Gardner, Esq. | 5 | 1 3 | 295 | 24·2 | 30·73 | 173 | 120 |
| D | Harrow (Eastcote Lane) | D. M. Woodman, Esq. | 5 | 1 4 | 175 | ... | 28·17 | 169 | 112 |
| D | Brent Reservoir (+A) | Docks & Inland Waterways | 5 | 1 3 | 138 | ... | 28·01 | 170 | 113 |
| D | Rayners Lane (High Worple) | R. H. Daw, Esq. | 5 | 1 0 | 153 | ... | 29·61 | 175 | 122 |
| D | Ruislip (+A) | Middlesex County Council | 5 | 1 6 | 142 | ... | 29·63 | 154 | 115 |
| D | Harrow (Welldon Crescent) | S. Hyla Greves, Esq. | 5 | 1 0 | 200 | ... | 29·85 | 184 | 118 |
| D | Hendon (Council Depot) | J. L. Pelham, Esq., C.E. | 8 | 1 0 | 157 | ... | 27·18 | 164 | 120 |
| D | Ruislip Reservoir | Ruislip-Northwood U.D.C. | 5 | 1 3 | 170 | ... | 31·10 | 183 | 134 |
| D | PINNER (Hillcrest Avenue) | P. R. Hands, Esq. | 5 | 1 0 | 170 | ... | 29·87 | 176 | 118 |
| D | WEALDSTONE (Kodak Works) | Kodak Ltd. | 5 | 1 0 | 175 | 25·3 | 29·48 | 186 | 121 |
| D | Northwood (Briarwood Drive) | C. C. Legge, Esq. | 5 | 1 0 | 150 | ... | 30·34 | 152 | 117 |
| D | Northwood (Ravenswood) | M. T. Allen, Esq. | 5 | 2 0 | 365 | ... | 30·43 | 172 | 124 |
| d | Edgware (M.C.C. Depot) (+A) | Middlesex County Council | 5 | 0 9 | 179 | 25·8 | 25·71 | 145 | 113 |

## DIVISION III—SOUTH MIDLAND COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Height of Rim above Ground | Height of Ground above Sea Level | Average Rainfall | 1952 Rainfall | Days with ·01 in. or more | Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **MIDDLESEX—(*contd.*).** | | *in.* | *ft.* | *in.* *ft.* | *in.* | *in.* | | |
| | **1.—THAMES. Colne & Brent—(*contd.*).** | | | | | | | | |
| D | Stanmore ... ... ... (+A) | Harrow U.D.C. ... ... | 5 | 0 | 7 281 | ... | 30·39 | 163 | 126 |
| | Edgware (Francklyn Gardens) ... | A. R. Bill, Esq. ... ... | 5 | 1 | 0 250 | ... | 27·27 | ... | ... |
| d | Mill Hill (Barnet Way) ... ... | Major N. G. Brett-James ... | 5 | 0 | 10 308 | ... | 28·77 | ... | 119 |
| W | Barnet (Old Fold View) ... ... | Capt. C. E. Mills ... ... | 5 | 1 | 0 360 | ... | 27·89 | ... | ... |
| D | Potters Bar (Parkfield School) ... | Headmaster ... ... ... | 5 | 1 | 3 400 | 27·1 | 29·93 | 168 | 126 |
| D | Potters Bar (Sewage Disposal Works) | Engineer and Surveyor ... | 5 | 1 | 0 260 | ... | 26·79 | 172 | 125 |
| | **2.—THAMES. Lea. 47 sq. mi.** | | | | | | | | |
| D | Crouch End (Priory Park) ... ... | Hornsey Borough Council... | 5 | 1 | 0 118 | 25·8 | 25·26 | 174 | 124 |
| D | Hornsey (High Street) ... ... ... | Metropolitan Water Board | 5 | 1 | 0 107 | 24·9 | 23·92 | 157 | 113 |
| D | Harringay (Wightman Road) ... ... | Hornsey Borough Council... | 5 | 1 | 0 90 | ... | 24·09 | 152 | 116 |
| D | Muswell Hill (Council Nurseries) ... | Hornsey Borough Council... | 5 | 1 | 0 209 | 26·1 | 26·46 | 160 | 128 |
| D | Finchley (Avenue House) ... ... | P. M. Spencer, Esq., C.E. ... | 5 | 0 | 11 278 | 26·3 | 29·03 | 149 | 118 |
| D | Palmers Green (Broomfield Park) ... | J. T. W. Peat, Esq. ... | 8 | 1 | 6 136 | 24·7 | 24·62 | 148 | 118 |
| d | Enfield (Sewage Works) ... ... | Engineer & Surveyor ... | 5 | 1 | 3 43 | ... | 22·48 | ... | 104 |
| D | SOUTHGATE (Oakwood Park) ... (+A) | Borough Engineer ... ... | 5 | 1 | 0 220 | ... | 24·80 | 164 | 123 |
| D | Ponders End (Pumping Station) ... | Metropolitan Water Board | 5 | 1 | 0 45 | 23·3 | 22·70 | 152 | 113 |
| D | Enfield (Southbury Road) ... ... | Metropolitan Water Board | 5 | 1 | 0 148 | 24·7 | 23·07 | 174 | 124 |
| D | East Barnet (Ashurst Road) ... ... | E. N. Lettin, Esq. ... ... | 5 | 1 | 0 254 | ... | 26·06 | 180 | 125 |
| D | Enfield (Forty Hill) ... ... ... | G. H. Pearce, Esq., F.R.C.S. | 5 | 1 | 0 125 | ... | 24·51 | 182 | 128 |
| D | Enfield (Whitewebbs Park) ... ... | Engineer & Surveyor ... | 5 | 1 | 2 120 | ... | 23·34 | 150 | 117 |
| D | Waltham Cross (Sewage Works) ... | Cheshunt U.D.C. ... ... | 5 | 1 | 0 61 | 22·6 | 24·49 | 154 | 118 |
| | **HERTFORDSHIRE. (Area 635 sq. mi.)** | | | | | | | | |
| | **1.—THAMES. Thame. 10 sq. mi.** | | | | | | | | |
| D | Tring (Pendley Manor) ... ... | D. E. Vallance, Esq. ... | 5 | 1 | 0 420 | 28·4 | 31·11 | 190 | 142 |
| | **2.—THAMES. Colne & Brent. 199 sq. mi.** | | | | | | | | |
| D | Batchworth Heath (Bathend) ... ... | H. H. Annetts, Esq. ... | 5 | 1 | 0 364 | ... | 29·57 | 175 | 133 |
| d | Bushey Heath (California Lane) ... | Miss C. C. Cooper .. | 5 | 1 | 0 550 | 26·0 | 29·72 | ... | 120 |
| D | Bushey Heath Reservoir ... ... | Colne Valley Water Co. ... | 5 | 1 | 3 520 | ... | 28·80 | 179 | 123 |
| | Totteridge (West Lodge) ... ... | P. D. Walker, Esq. ... | 5 | 1 | 4 410 | 26·9 | 27·14 | ... | ... |
| D | Totteridge (Great Bushey Drive) ... | J. Monger, Esq. ... ... | 5 | 0 | 11 250 | ... | 27·32 | 199 | 123 |
| D | Batchworth (Pumping Station) ... | L. F. Hobbs, Esq., C.E. ... | 5 | 1 | 2 156 | ... | 27·21 | 177 | 129 |
| D | Croxley Green (Hill Cottage) ... | B. P. Waller, Esq. ... ... | 5 | 1 | 0 250 | ... | 27·49 | 186 | 130 |
| D | Chorleywood (Berry Lane) ... ... | M. B. King, Esq. ... ... | 5 | 1 | 0 230 | ... | 28·39 | 185 | 115 |
| D | Barnet (Sewage Works) ... (+A) | E. Scott, Esq., C.E. ... | 5 | 1 | 0 295 | ... | 31·04 | 202 | 136 |
| D | Boreham Wood (Furzehill Road) ... | H. T. Court, Esq. ... ... | 5 | 1 | 0 302 | ... | 32·95 | 174 | 126 |
| W | Elstree (Aldenham Reservoir) ... | Colne Valley Water Co. ... | 5 | 1 | 0 330 | ... | 31·07 | ... | ... |
| d | Elstree (Aldenham School) ... ... | Bursar ... ... ... | 5 | 1 | 0 316 | ... | 28·11 | ... | ... |
| D | Watford (Aldenham Road) ... ... | Colne Valley Water Co. ... | 5 | 4 | 6 204 | 25·6 | 26·46 | 162 | 119 |
| D | Watford (Waterworks) ... ... | L. C. Kimberlin, Esq., C.E. | 8 | 2 | 10 170 | 25·9 | 28·30 | 191 | 130 |
| D | Heronsgate (Waterfield House) ... | Miss J. M. Richardson ... | 5 | 1 | 0 390 | ... | 28·45 | 178 | 130 |
| D | Aldenham (C. of E. School) ... ... | L. W. Stratton, Esq. ... | 5 | 1 | 0 298 | ... | 27·24 | 165 | 124 |
| D | Watford (Callowland) ... ... ... | K. C. Rees, Esq. ... ... | 5 | 1 | 0 250 | ... | 25·66 | 177 | 125 |
| D | Garston (Building Research Stn.) (+A) | Director ... ... ... | 5 | 1 | 0 250 | ... | 28·36 | 178 | 119 |
| D | Kings Langley (Fir Tree Cottage) ... | Miss H. M. Toms ... ... | 5 | 1 | 0 278 | 28·1 | 29·71 | 187 | 125 |
| D | North Mimms (Pumping Station) (+A) | Barnet District Water Co.... | 5 | 1 | 0 254 | ... | 29·98 | 171 | 161 |
| D | Hemel Hempstead (Apsley Mills) ... | J. Dickinson & Co. Ltd. ... | 24 | 1 | 4 268 | 27·9 | 30·06 | 182 | 126 |
| | Boxmoor (Moorlands) ... ... | L. W. Swainson, Esq. ... | 5 | 1 | 0 300 | ... | 30·98 | ... | ... |
| D | Colney Heath (Tyttenhanger P.S.) ... | Barnet District Water Co.... | 5 | 1 | 0 241 | 25·7 | 27·47 | 163 | 121 |
| d | St. Albans (Hill End Hospital) ... | Controller ... ... ... | 5 | 1 | 0 295 | 25·1 | 27·92 | ... | 119 |
| D | St. Albans (Stonecross Pumping Stn.) | L. W. Ball, Esq. ... ... | 5 | 1 | 6 420 | ... | 28·18 | 171 | 126 |
| D | ST. ALBANS (Oaklands) ... ... | Hertfordshire Inst. of Agric. | 5 | 1 | 0 272 | 24·9 | 27·83 | 170 | 119 |

## DIVISION III—SOUTH MIDLAND COUNTIES—(*contd.*)

| | STATIONS | | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1952 Rainfall | 1952 Days with ·01 in. or more | 1952 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|---|
| | **HERTFORDSHIRE—(*contd.*).** | | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **2.—THAMES. Colne & Brent—(*contd.*).** | | | | | | | | | |
| D | St. Albans (Gorhambury) | ... ... | Head Gardener ... ... | 5 | 1 0 | 432 | 27·9 | 28·11 | 153 | 107 |
| D | Hatfield (Pumping Station) | ... ... | Barnet District Water Co.... | 5 | 1 0 | 340 | 24·7 | 28·96 | 172 | 117 |
| D | Berkhamsted (Rossway) | ... ... | Maj. A. G. N. Hadden-Paton | 5 | 1 3 | 400 | ... | 31·14 | 179 | 138 |
| D | Berkhamsted (Lagley) | ... ... | Mrs. F. W. Johnston ... | 5 | 1 0 | 400 | ... | 29·26 | 189 | 126 |
| D | Berkhamsted (Amersfort) | ... ... | W. S. Cohen, Esq. ... ... | 5 | 1 0 | 570 | ... | 28·69 | 161 | 131 |
| D | Tring (Cowroast Lock) | ... ... | Docks & Inland Waterways | 5 | 1 0 | 390 | 28·4 | 28·51 | 171 | 126 |
| D | Tring (New Ground Pumping Station) | | Bucks Water Board ... | 5 | 1 0 | 432 | ... | 28·87 | 178 | 123 |
| d | Harpenden (West Common Way) | ... | R. Meldrum, Esq. ... ... | 5 | 1 0 | 420 | ... | 29·39 | ... | ... |
| D | §Harpenden (ROTHAMSTED) | ... (+A) | Lawes Agricultural Trust ... | 5 | 1 0 | 420 | 27·3 | 27·91 | 180 | 124 |
| D | Harpenden (Rothamsted) | ... ... | Lawes Agricultural Trust | 72 × 87 | 0 0 | 420 | 28·6 | 29·22 | 189 | 131 |
| D | Markyate (Waterworks) | ... ... | I. Wilson, Esq. ... ... | 5 | 1 0 | 538 | ... | 30·83 | 177 | 128 |
| | **3.—THAMES. Lea. 340 sq. mi.** | | | | | | | | | |
| D | CHESHUNT (Experimental Station) | ... | Director, Exp. Research Stn. | 5 | 1 0 | 83 | ... | 24·35 | 165 | 122 |
| d | Cheshunt (Cemetery) ... | . . ... | Cheshunt U.D.C. ... ... | 5 | 0 11 | 160 | ... | 23·47 | ... | ... |
| D | Northaw (Arish Mell) | ... ... ... | W. T. Webster, Esq. ... | 5 | 1 6 | 300 | ... | 25·89 | 183 | 123 |
| D | Cheshunt Yard | ... ... ... | Metropolitan Water Board | 5 | 1 0 | 100 | 24·1 | 24·13 | 166 | 120 |
| D | Cheshunt (Darnicle Hill Pumping Stn.) | | Metropolitan Water Board | 5 | 1 0 | 250 | 26·2 | 25·49 | 179 | 122 |
| D | Hatfield (Clarke's Road) | ... ... | C. A. Barnes, Esq. ... ... | 8 | 1 0 | 270 | ... | 28·49 | 192 | 122 |
| D | Broxbourne (Broxbournebury) | ... | Mr. D. Cake ... ... | 5 | 1 0 | 140 | ... | 25·19 | 188 | 118 |
| d | Hoddesdon ... ... ... | ... | H. F. Hayllar, Esq. ... | 5 | 3 0 | 130 | 23·7 | 23·23 | ... | ... |
| d | Hoddesdon (Fielde's Weir) | ... ... | Metropolitan Water Board | 5 | 0 8 | 95 | 23·7 | 24·31 | 153 | 124 |
| D | BAYFORDBURY ... ... ... | ... | Curator, J. Innes, H.I. ... | 5 | 1 0 | 221 | ... | 25·75 | 165 | 116 |
| D | Haileybury College | ... ... ... | Headmaster ... ... ... | 8 | 1 0 | 270 | 24·8 | 26·13 | 171 | 120 |
| D | EASTWICK LODGE FARM | ... ... | Harlow Develop. Corpn. ... | 5 | 1 3 | 160 | ... | 22·57 | 165 | 116 |
| D | Welwyn Garden City (Sewage Wks.) | | Engineer & Surveyor ... | 5 | 1 0 | 246 | 24·7 | 26·12 | 170 | 134 |
| D | Hertford (Sewage Works) | ... (+A) | Metropolitan Water Board | 5 | 1 0 | 123 | 23·3 | 25·57 | 164 | 119 |
| D | Ware (Red House) | ... ... ... | Metropolitan Water Board | 5 | 1 0 | 105 | 23·5 | 24·62 | 160 | 119 |
| D | Ware (Chadwell Spring) | ... ... | Metropolitan Water Board... | 5 | 1 0 | 140 | 24·2 | 24·58 | 159 | 115 |
| d | Wheathampstead (Water End House) | | Countess Reventlow ... | 5 | 1 0 | 255 | ... | 28·63 | ... | ... |
| D | Welwyn (Sewage Works) | ... ... | C. B. Borthwick, Esq., C.E. | 8 | 0 11 | 260 | ... | 27·79 | 175 | 129 |
| d | Welwyn (Codicote Lodge) | ... ... | Head Gardener ... ... | 5 | 1 0 | 340 | 25·8 | 25·28 | ... | 108 |
| D | Much Hadham (Moor Place) | ... | R. C. Norman, Esq. ... | 5 | 1 0 | 270 | ... | 27·60 | 157 | 125 |
| D | Bishop's Stortford (Castle Mound) | ... | Engineer & Surveyor ... | 5 | 1 0 | 224 | ... | 27·69 | 173 | 115 |
| D | Breachwood Green School | ... ... | S. J. Simpson, Esq. ... | 5 | 1 0 | 489 | ... | 27·18 | 158 | 124 |
| D | Bishop's Stortford (Dunmow Road) | ... | H. J. Holmes, Esq. ... | 5 | 1 1 | 290 | ... | 27·87 | 175 | 138 |
| D | Little Hadham (Hadham Hall) | ... | Herts County Council ... | 5 | 1 0 | 380 | 24·5 | 27·81 | 167 | 126 |
| D | Knebworth (Swanley's Lane) | ... ... | R. G. Walker, Esq. ... | 5 | 1 0 | 303 | ... | 25·28 | 170 | 120 |
| D | Knebworth Park | ... ... (+A) | Stevenage Development Corp. | 5 | 1 0 | 378 | ... | 26·13 | 166 | 122 |
| D | Bragbury End ... ... ... | ... | Stevenage Development Corp. | 5 | 1 0 | 320 | ... | 27·37 | 171 | 123 |
| D | Stevenage (Broomin Green) | ... (+A) | Stevenage Development Corp. | 5 | 1 0 | 307 | ... | 26·45 | 164 | 114 |
| D | Hitchin (Preston Hill Farm) | ... ... | F. H. Maybrick, Esq. ... | 5 | 1 0 | 484 | 25·2 | 24·75 | 151 | 102 |
| d | Braughing (Upp Hall) ... | ... ... | Lady Brodie Henderson ... | 5 | 1 6 | 370 | ... | 27·41 | 152 | 123 |
| D | Ardeley Bury ... ... ... | ... | Lee Conservancy Catchm. Bd. | 5 | 1 0 | 156 | ... | 27·60 | 174 | 121 |
| D | Buntingford (Chipping) | ... ... | Lee Conservancy Catchm. Bd. | 5 | 0 7 | 340 | ... | 24·99 | 150 | 129 |
| d | Royston (Therfield Rectory) | ... ... | Rev. Eliot ... ... ... | 5 | 1 0 | 412 | 25·2 | 26·73 | ... | 112 |
| d | Stevenage (Botany Bay) | ... ... | Stevenage Development Corp. | 5 | 1 0 | 420 | ... | 26·67 | ... | 117 |
| D | Hitchin (Knightswood) | ... ... | H. Cooke, Esq. ... ... | 5 | 1 2 | 300 | ... | 25·11 | 179 | 119 |
| | **4.—OUSE. 86 sq. mi.** | | | | | | | | | |
| d | Letchworth (Museum) | ... (+A) | Surveyor U.D.C. ... ... | 5 | 1 0 | 290 | 22·3 | 22·92 | ... | ... |
| D | Barley (Dalnyveed) ... | ... ... | W. F. Sermons, Esq. ... | 5 | 1 0 | 300 | ... | 26·46 | 145 | 114 |
| D | Royston (Earls Hill House) | ... ... | Col. E. C. M. Phillips, D.S.O. | 8 | 1 3 | 225 | 23·6 | 26·01 | 187 | 118 |

§ Turf wall round gauge.

## DIVISION III—SOUTH MIDLAND COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1952 Rainfall | 1952 Days with ·01 in. or more | 1952 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **BUCKINGHAMSHIRE. (Area 743 sq. mi.)** | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **1.—THAMES. Cherwell. 30 sq. mi.** | | | | | | | | |
| D | Wotton Underwood (Wotton Ho. Sc.) | Miss D. S. C. Wilson ... | 5 | 1 0 | 277 | ... | 26·41 | 179 | 119 |
| | **2.—THAMES. Thame. 158 sq. mi.** | | | | | | | | |
| D | Princes Risborough (Research Lab.) | Director ... ... ... | 5 | 1 0 | 333 | ... | 26·05 | 182 | 123 |
| D | Monks Risborough (Waterworks) ... | Bucks Water Board ... | 5 | 1 0 | 363 | ... | 28·48 | 174 | 135 |
| D | AYLESBURY (County Farm) ... ... | County Education Com. ... | 5 | 1 0 | 316 | ... | 25·51 | 157 | 121 |
| D | Wendover (Dobbins Lane) ... ... | Bucks Water Board ... | 5 | 1 0 | 402 | ... | 28·19 | 185 | 125 |
| D | Tring (Dancers End Pumping Stn.) ... | Bucks Water Board ... | 5 | 1 0 | 650 | ... | 27·76 | 156 | 128 |
| D | Tring (Bulbourne) ... ... ... | Docks & Inland Waterways | 5 | 1 0 | 401 | 26·2 | 30·02 | 200 | 138 |
| D | Aylesbury (Sewage Works) ... ... | Engineer & Surveyor ... | 5 | 1 0 | 251 | 25·9 | 22·60 | 169 | 126 |
| d | Mentmore Gardens ... ... ... | Mr. T. Lindores ... ... | 5 | 1 3 | 400 | 25·0 | 27·42 | ... | ... |
| | **3.—THAMES. Wye & c. 129 sq. mi.** | | | | | | | | |
| D | Eton (Tangier Island) ... ... | (+A) G. S. Baker, Esq. | 5 | 0 8 | 68 | 24·6 | 25·18 | 174 | 118 |
| D | Slough (Upton) ... ... ... | Mrs. L. R. Bentley ... | 5 | 1 0 | 78 | 23·9 | 24·47 | 166 | 119 |
| D | Slough (Baylis House) ... ... | (+A) Borough Engineer ... | 5 | 1 0 | 90 | ... | 27·15 | 176 | 121 |
| D | Taplow Court Gardens ... ... | G. H. Emmett, Esq. ... | 5 | 1 0 | 212 | 23·9 | 26·76 | 172 | 129 |
| D | Henley-on-Thames (Greenlands) ... | Lord Hambleden ... ... | 5 | 1 0 | 125 | 27·1 | 25·01 | 154 | 117 |
| D | Burnham (Waterworks) ... ... | Engineer ... ... ... | 5 | 1 0 | 180 | ... | 24·42 | 166 | 125 |
| d | Bourne End ... ... ... ... | B. C. Hammond, Esq. ... | 5 | 1 0 | 96 | ... | 28·10 | ... | ... |
| D | Bourne End (Hedsor) ... ... ... | C. A. Blake, Esq. ... ... | 8 | 1 4 | 156 | ... | 25·26 | 153 | 116 |
| D | Hambleden (Hatchmans) ... ... | Mrs. A. A. Gask ... ... | 5 | 0 9 | 185 | ... | 31·02 | 164 | 126 |
| D | High Wycombe (Flackwell Heath) ... | W. C. F. Fairley, Esq. ... | 5 | 1 0 | 365 | 26·8 | 27·19 | 158 | 130 |
| D | High Wycombe (Pann Mill P.S.) ... | S. Young, Esq. ... ... | 8 | 1 1 | 219 | ... | 29·37 | 168 | 126 |
| M | High Wycombe (Lane End Res.) ... | S. Young, Esq. ... ... | 5 | 1 0 | 659 | ... | 30·44 | ... | ... |
| D | Penn (Rayners) ... ... ... ... | Mr. E. Peett ... ... | 5 | 1 10 | 547 | 29·4 | 29·20 | 163 | 125 |
| D | Radnage (Yewsden) ... ... ... | Rev. A. H. Cooper ... | 5 | 1 6 | 400 | ... | 29·94 | 184 | 136 |
| | **4.—THAMES. Colne 133 sq. mi.** | | | | | | | | |
| d | Wraysbury School ... ... ... | R. Watson, Esq., L.C.P. ... | 5 | 0 8 | 59 | ... | 23·69 | ... | ... |
| D | Slough (Ditton Park) ... ... ... | Admiralty ... ... ... | 5 | 2 0 | 70 | 24·7 | 24·77 | 151 | 115 |
| D | Gerrards Cross (Mill Lane) ... | A. L. Carroll, Esq. ... | 5 | 1 0 | 280 | ... | 29·69 | 182 | 116 |
| D | Gerrards Cross (Bulstrode Gdns.) ... | Miss F. Hill ... | 5 | 1 6 | 280 | 27·2 | 30·92 | 169 | 128 |
| D | Chalfont St. Peter (The Colony) ... | J. W. Edwards, Esq. ... | 8 | 1 2 | 340 | ... | 27·92 | 188 | 125 |
| | Amersham (Waterworks) ... ... | L. F. Hobbs, Esq., C.E. ... | 8 | 1 0 | 292 | ... | 30·84 | 179 | 134 |
| D | Amersham (Chestnut Lane) ... ... | R. L. Alexander, Esq. ... | 5 | 1 3 | 500 | ... | 31·02 | 176 | 138 |
| D | Great Missenden (Pumping Station) ... | L. F. Hobbs, Esq., C.E. ... | 5 | 0 11 | 372 | 27·6 | 28·10 | 174 | 133 |
| D | Chesham (Nashleigh Hill) ... ... | Mrs. Hayes ... ... ... | 5 | 1 0 | 534 | 29·1 | 29·27 | 189 | 127 |
| D | Wendover (Pumping Station) ... | Bucks Water Board ... | 8 | 1 0 | 486 | ... | 30·88 | 197 | 141 |
| D | Chesham Vale (Hawridge Pumping Stn.) | Bucks Water Board ... | 5 | 1 0 | 423 | ... | 30·10 | 188 | 129 |
| d | Little Gaddesden (Ringshall End) ... | Mrs. Bradby ... ... | 5 | 1 1 | 700 | 28·9 | 28·96 | ... | ... |
| D | Dagnall (Ivinglea) ... ... ... | E. L. Hawke, Esq., M.A. ... | 5 | 1 0 | 550 | ... | 32·90 | 207 | 151 |
| | **5.—OUSE. 293 sq. mi.** | | | | | | | | |
| D | Oving House ... ... ... ... | Head Gardener ... ... | 5 | 1 0 | 515 | 26·4 | 25·89 | 170 | 136 |
| d | Twyford Vicarage ... ... ... | Rev. J. L. Payne ... ... | 5 | 0 9 | 279 | ... | 25·71 | ... | ... |
| D | Buckingham (Sec. Modern School) ... | Headmaster ... ... ... | 5 | 1 0 | 303 | ... | 21·08 | 163 | 112 |
| D | Wolverton (Eton Crescent) ... ... | R. H. Clark, Esq. ... ... | 5 | 1 0 | 280 | ... | 27·37 | 157 | 111 |
| D | Newport Pagnell (Wolverton Road) ... | J. Coales, Esq. ... ... | 8 | 1 6 | 182 | 23·2 | 24·64 | 163 | 115 |
| D | Olney (Waterworks) ... ... ... | F. C. Gasson, Esq. ... | 5 | 1 0 | 175 | ... | 27·34 | 186 | 121 |
| D | Olney (Colchester House) ... ... | R. E. Sowman, Esq. ... | 5 | 0 9 | 170 | ... | 27·03 | 181 | 117 |
| D | Turvey (Brayfield House) ... ... | Major M. E. Farrer ... | 5 | 5 0 | 180 | 23·3 | 27·71 | 153 | 131 |

## DIVISION III—SOUTH MIDLAND COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1952 Rainfall | 1952 Days with ·01 in. or more | 1952 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **OXFORDSHIRE. (Area, 756 sq. mi.)** | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **1.—SEVERN. Upper Avon. 10 sq. mi.** | | | | | | | | |
| D | Sibford Ferris (Grounds Farm) | B. W. Lamb, Esq. | 5 | 3 0 | 570 | 27·3 | 24·35 | 159 | 120 |
| D | Sibford Gower Vicarage | Rev. W. M. Grogan | 5 | 1 5 | 600 | ... | 25·83 | 188 | 130 |
| | **2.—THAMES. Windrush & c. 261 sq. mi.** | | | | | | | | |
| D | Kelmscott | R. Hobbs, Esq. | 5 | 1 0 | 230 | 24·8 | 26·98 | 150 | 108 |
| d | North Leigh (Perrots Hill Nursery) | G. J. Miller, Esq. | 5 | 1 0 | 300 | ... | 27·24 | ... | 118 |
| | Milton-under-Wychwood (Castle Fm.) | H. B. Edginton, Esq. | 5 | 1 0 | 550 | ... | 22·04 | ... | ... |
| d | Charlbury (Cornbury Park) | Head Gardener | 5 | 1 0 | 420 | ... | 28·59 | ... | 116 |
| D | Chadlington (The Manor) | Paul Handy, Esq. | 5 | 1 0 | 400 | ... | 24·47 | 152 | 122 |
| D | Glympton Rectory | Rev. C. H. Cox | 5 | 1 0 | 310 | ... | 29·26 | 191 | 126 |
| D | Chipping Norton (Heythrop College) | Meteorologist | 8 | 1 0 | 600 | 28·0 | 28·01 | 186 | 136 |
| D | Chipping Norton (Bungalow) | T. H. Pettipher, Esq. | 5 | 1 0 | 750 | 27·6 | 27·53 | 162 | 129 |
| | **3.—THAMES. Cherwell. 250 sq. mi.** | | | | | | | | |
| D | Littlemore (Sewage Farm) | City Engineer, Oxford | 8 | 1 0 | 209 | ... | 21·84 | 154 | 112 |
| D | Oxford (Hinksey Pumping Station) | H. H. Crawley, Esq., C.E. | 8 | 1 0 | 187 | 24·0 | 24·99 | 178 | 121 |
| D | Oxford (Osney Lock) | Thames Conservancy | 5 | 1 6 | 186 | 24·4 | 24·71 | 161 | 114 |
| D | Oxford (Magdalen College) | F. J. Parker, Esq. | 5 | 1 0 | 186 | 23·8 | 25·00 | 180 | 118 |
| D | Oxford (Richmond Road) | R. A. Bowen, Esq. | 5 | 1 0 | 200 | ... | 25·35 | 163 | 113 |
| D | Oxford (Norham Road) | Miss Josephine Fry | 5 | 1 0 | 200 | ... | 24·38 | 169 | 107 |
| D | OXFORD (Radcliffe Met. Station) | Professor of Geography | 8 | 1 0 | 208 | 24·8 | 25·87 | 189 | 119 |
| D | Oxford (Banbury Road) | P. E. Saunder, Esq. | 5 | 1 6 | 200 | ... | 26·92 | 158 | 119 |
| D | Noke (Orchard Cottage) | Miss S. M. Fry | 5 | 1 0 | 200 | ... | 26·17 | 176 | 124 |
| d | Hampton Poyle (The Old Rectory) | Dr. G. D. Parkes | 5 | 1 0 | 310 | ... | 24·77 | ... | ... |
| D | Kidlington (Shipton Manor) | A. J. Wells, Esq. | 5 | 1 0 | 243 | ... | 27·47 | 185 | 122 |
| D | Tackley (Hampton) | W. Evetts, Esq. | 5 | 1 0 | 266 | ... | 26·50 | 161 | 119 |
| d | Middleton Park | A. C. J. Wall, Esq. | 5 | 1 0 | 326 | 25·8 | 27·94 | ... | 106 |
| d | West Adderbury (Cross Hill) | Lt.-Col. H. E. du C. Norris | 5 | 1 0 | 338 | 25·4 | 26·23 | ... | 128 |
| D | Bloxham (Dursley) | F. S. Smith, Esq. | 5 | 1 0 | 376 | ... | 27·57 | 187 | 141 |
| D | North Newington (Orchard House) | H. J. Busby, Esq. | 5 | 1 3 | 392 | 26·7 | 26·38 | 187 | 134 |
| D | *Grimsbury (Banbury W.W.) | Banbury Water Co. | 5 | 1 3 | 299 | ... | 24·22 | 186 | 122 |
| | **4.—THAMES. Thame & c. 210 sq. mi.** | | | | | | | | |
| D | Henley-on-Thames (Hart Street) | A. Edward Hobbs, Esq. | 5 | 1 0 | 110 | 25·8 | 25·64 | 165 | 119 |
| D | Henley-on-Thames (Greys Lane) | G. F. Smith, Esq. | 5 | 1 1 | 123 | 26·1 | 26·57 | 166 | 120 |
| D | Henley-on-Thames (Longlands) | J. E. Chalcraft, Esq. | 5 | 0 5 | 100 | ... | 26·31 | 166 | 122 |
| D | Stoke Row Vicarage | Rev. C. Isherwood | 5 | 1 0 | 576 | ... | 28·17 | 164 | 130 |
| D | Checkendon (Uxmore) | Major F. P. Landon | 5 | 1 0 | 588 | ... | 29·27 | 206 | 133 |
| D | Ipsden (Hailey) | A. F. Williams, Esq. | 5 | 1 0 | 350 | 27·0 | 24·17 | 169 | 121 |
| D | Swyncombe House | C. W. Christie-Miller, Esq. | 5 | 1 0 | 515 | 30·2 | 27·72 | 160 | 124 |
| D | Swyncombe (Cookley House) | J. S. C. Bridge, Esq. | 5 | 1 0 | 730 | 30·7 | 30·92 | 182 | 138 |
| D | Benson Airfield (+A) | Meteorological Office | 5 | 1 0 | 219 | ... | 22·77 | 161 | 106 |
| d | Watlington (Britwell Salome) | R. Roadnight, Esq. | 5 | 1 0 | 400 | ... | 24·55 | ... | 106 |
| D | Watlington (Cuxham) | Miss M. E. Edwards | 5 | 0 10 | 200 | ... | 23·91 | 178 | 121 |
| D | Clifton Hampden (Manor House) | The Hon. Mrs. G. Gibbs | 5 | 1 0 | 190 | 23·7 | 21·85 | 170 | 121 |
| D | Watlington (Pyrton Manor) | Col. Ducat Hamersley | 5 | 1 0 | 325 | 26·5 | 27·66 | 170 | 136 |
| D | Drayton St. Leonard (Guy's) | R. Jackson, Esq. | 5 | 1 0 | 164 | ... | 22·31 | 177 | 109 |
| D | Wheatfield | Lt.-Col. A. V. Spencer, D.S.O | 5 | 0 11 | 260 | 25·6 | 22·55 | 166 | 119 |
| d | Toot Baldon (Potlands) | H. J. Richens, Esq. | 5 | 1 0 | 289 | 24·7 | 23·85 | ... | 116 |
| D | Thame (Chiltern Grove) | H. Badger, Esq. | 5 | 1 0 | 200 | ... | 26·14 | 187 | 129 |

* Reporting to the Northamptonshire Natural History Society.

## DIVISION III—SOUTH MIDLAND COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1952 Rainfall | 1952 Days with ·01 in. or more | 1952 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **NORTHAMPTONSHIRE. (Area, 1,003 sq. in.)** | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **1.—SEVERN. Upper Avon. 60 sq. mi.** | | | | | | | | |
| D | Rugby (Braunston Rectory) | Rev. H. E. Ruddy | 5 | 1 0 | 385 | ... | 28·37 | 180 | 130 |
| D | Naseby Reservoir | Docks & Inland Waterways | 5 | 2 0 | 519 | 25 2 | 25·60 | 230 | 143 |
| | **2.—THAMES. Cherwell. 77 sq. mi.** | | | | | | | | |
| | **3.—OUSE. 148 sq. mi.** | | | | | | | | |
| D | Towcester (Bradden House) | J. C. Grant-Ives, Esq. | 5 | 0 10 | 420 | 26·5 | 26·40 | 177 | 133 |
| D | Towcester (Easton Neston) | The Rt. Hon. Lord Hesketh | 8 | 1 0 | 325 | 26·6 | 27·33 | 170 | 124 |
| | **4.—NENE. 622 sq. mi.** | | | | | | | | |
| D | Blisworth (Grand Union Canal) | Docks & Inland Waterways | 5 | 4 6 | 296 | *23·8* | 24·22 | 141 | 114 |
| d | Yardley Hastings (Forest Lodge) | Forestry Commision | 8 | 1 3 | 370 | 26·4 | 26·54 | 171 | 131 |
| d | Bugbrooke Mill | Nene River Board | 5 | 1 0 | 228 | ... | 23·64 | ... | ... |
| D | Northampton (Hardingstone Gen. Stn.) | British Electricity Authority** | 5 | 1 0 | 189 | ... | 22·90 | 166 | 124 |
| D | Northampton (General Hospital) | Secretary Superintendent | 5 | 1 3 | 258 | 23·5 | 25·17 | 192 | 131 |
| D | *Northampton (St. Crispin Hospital) | Medical Superintendent | 5 | 1 7 | 398 | 24·3 | 23·49 | 136 | 108 |
| D | *Northampton (Stimpson Avenue) | Mid-Northants Water Board | 8 | 1 0† | 329 | ... | 22·59 | 158 | 114 |
| D | *Northampton (Mercers Row) | C. W. Boddington, Esq. | 5 | 12 0 | 250 | 23·6 | 27·27 | 199 | 147 |
| D | *Duston (Southfield Road) | W. P. Walker, Esq. | 5 | 1 0 | 342 | 25·4 | 26·09 | 194 | 133 |
| D | Brockhall (Old Rectory) | Major J. Orr Ewing, M.C. | 5 | 0 11 | 380 | ... | 24·32 | 168 | 125 |
| D | Wollaston (Pumping Station) | A. Millar, Esq., C.E. | 5 | 1 9 | 140 | ... | 23·43 | 151 | 112 |
| D | Wollaston | G. Harris, Esq. | 5 | 1 0 | 250 | 23·0 | 25·62 | 172 | 132 |
| D | *Althorp Park | Head Gardener | 5 | 1 0 | 400 | 26·1 | 22·59 | 170 | 106 |
| D | Rushden (Cemetery) | A. Millar, Esq., C.E. | 5 | 1 0 | 260 | ... | 25·09 | 162 | 116 |
| D | *Boughton Park | A. J. Old, Esq. | 5 | 1 3 | 350 | ... | 26·45 | 201 | 128 |
| D | Wellingborough (Nene Wharf) | Nene River Board | 5 | 1 0 | 135 | ... | 23·80 | 169 | 119 |
| D | *Wellingborough (Swanspool) | R. Kilby, Esq. | 5 | 1 0 | 187 | 24·3 | 25·81 | 181 | 127 |
| d | Wellingborough (Sewage Works) | R. Kilby, Esq. | 5 | 1 0 | 139 | *23·2* | 22·18 | ... | 125 |
| D | Wellingborough (Hatton Park Road) | L. G. Cottingham, Esq. | 5 | 1 0 | 290 | ... | 25·15 | 164 | 121 |
| D | Wellingborough (Bushfield W.W.) | Mid-Northants Water Board | 8 | 0 11 | 286 | 23·3 | 26·32 | 170 | 120 |
| D | Wellingborough (Ironworks) | Wellingboro' Iron Co. Ltd. | 5 | 0 7 | 184 | ... | 22·76 | 150 | 110 |
| D | *Ravensthorpe | Mid-Northants Water Board | 5 | 0 11 | 320 | 25·5 | 25·10 | 165 | 132 |
| D | *Hollowell | Mid-Northants Water Board | 5 | 1 0 | 400 | ... | 26·33 | 190 | 133 |
| D | RAUNDS (Madison) | T. C. Smith, Esq. | 5 | 1 0 | 193 | *23·0* | 23·07 | 174 | 122 |
| D | Orlingbury (Pumping Station) | Mid-Northants Water Board | 5 | 1 0 | 286 | ... | 25·14 | 152 | 123 |
| D | *Kettering W.W. (Cransley) | Mid-Northants Water Board | 8 | 1 6 | 275 | 23·7 | 24·66 | 185 | 133 |
| D | *Kettering (Sewage Works) | Borough Engineer | 8 | 1 2 | 199 | 24·2 | 25·88 | 169 | 122 |
| D | Kettering W.W. (Thorpe Malsor) | Mid-Northants Water Board | 5 | 1 0 | 345 | 24·8 | 24·18 | 177 | 113 |
| d | Harrington (Church Farm) | P. R. Jackson, Esq.** | 5 | 4 6 | 500 | ... | 24·33 | ... | ... |
| D | Kettering W.W. (Clover Hill) | Mid-Northants Water Board | 5 | 1 1 | 344 | 24·2 | 23·52 | 164 | 120 |
| D | Thrapston (Drayton House) | Mr. C. V. Craske | 5 | 1 6 | 220 | 24·7 | 23·10 | 186 | 114 |
| d | Thrapston (Islip Furnaces) | Messrs. Stewarts & Lloyds** | 5 | ... ... | ... | ... | 21·13 | ... | ... |
| D | Tichmarsh Rectory | Rev. Canon A. M. Luckock* | 5 | 1 0 | 170 | 23·9 | 23·65 | 174 | 120 |
| D | Rothwell (Shotwell Mill Waterworks) | Surveyor, U.D.C. | 5 | 1 6 | 340 | 23·6 | 23·44 | 170 | 118 |
| D | Desborough (U.D.C. Waterworks) | Mid-Northants Water Board | 5 | 0 9 | 457 | 24·7 | 24·29 | 188 | 125 |
| d | Oundle (Nene Wharf) | Nene River Board | 5 | 1 0 | 65 | ... | 21·46 | ... | ... |
| d | Corby | Messrs. Stewarts & Lloyds** | 5 | 1 0 | 319 | ... | 21·70 | ... | ... |
| D | Kings Cliff (Apethorpe) | J. W. Tomkins, Esq. | 5 | 1 0 | 127 | ... | 23·75 | 152 | 120 |
| D | Peterborough (Woodston) | British Sugar Corpn. Ltd. | 5 | 1 0 | 37 | 22·3 | 21·91 | 168 | 124 |
| D | Peterborough (Westbourne House) | E. H. Colman, Esq. | 5 | 1 0 | 35 | 21·6 | 20·83 | 168 | 111 |
| D | Peterborough (Sewage P.S.) (+A) | F. J. Smith, Esq., C.E. | 8 | 0 10 | 9 | ... | 20·03 | 154 | 114 |
| D | Wittering (Bone Mill) | E. Betts, Esq. | 8 | 1 0 | 183 | 23·5 | 20·00 | 151 | 119 |

* Reporting to the Northamptonshire Natural History Society.
† " Ground " is the roof of a reservoir 18 ft. above the general level.
***Per* Nene River Board.

## DIVISION III—SOUTH MIDLAND COUNTIES—(*contd.*)

| | STATIONS | | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1952 Rainfall | 1952 Days with ·01 in. or more | 1952 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|---|
| | **NORTHAMPTONSHIRE—(*contd.*).** | | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **5.—WELLAND. 96 sq. mi.** | | | | | | | | | |
| d | Gretton (Hillside) | | W. Leeson, Esq. | 5 | 1 0 | 275 | ... | 27·05 | ... | ... |
| D | Market Deeping (Etton) | | F. J. Smith, Esq., C.E. | 8 | 1 0 | 36 | *21·8* | 18·28 | 150 | 97 |
| | **HUNTINGDONSHIRE. (Area, 366 sq. mi.)** | | | | | | | | | |
| | **1.—OUSE. 327 sq. mi.** | | | | | | | | | |
| D | Great Gransden | | Major E. W. R. Bolden | 5 | 1 0 | 150 | ... | 25·80 | 165 | 120 |
| D | Hemingford Grey (Church Lane) | | A. G. W. Briars, Esq. | 5 | 1 0 | 25 | ... | 23·27 | 171 | 132 |
| D | Hemingford Grey | | F. W. Norris, Esq. | 5 | 2 0 | 20 | 21·9 | 23·33 | 171 | 133 |
| D | St. Ives (Tenterleas) | | Mr. H. E. Bell | 5 | 1 0 | 25 | 22·6 | 23·72 | 181 | 126 |
| d | Bluntisham Rectory | | Rev. J. S. L. David | 5 | 1 0 | 50 | ... | 20·17 | ... | ... |
| d | Abbot's Ripton Hall | | G. McLeod, Esq., C.E. | 5 | 1 6 | 80 | ... | 21·24 | 142 | 116 |
| d | Conington Castle Gardens | | G. McLeod, Esq., C.E. | 5 | 1 0 | 25 | ... | 21·39 | ... | 122 |
| D | Ramsey (Biggin Lane) | | W. T. Carter, Esq. | 5 | 1 0 | 70 | ... | 21·61 | 140 | 110 |
| d | Benwick (Four Hundred Farm) | | G. McLeod, Esq., C.E. | 5 | 1 0 | 5 | ... | 20·49 | ... | 109 |
| D | Whittlesea Mere | | G. McLeod, Esq., C.E. | 8 | 1 6 | 10 | 21·4 | 19·72 | 158 | 112 |
| D | Peterborough (Farcet) | | G. E. D. Alcock, Esq. | 5 | 1 0 | 60 | ... | 20·83 | 172 | 121 |
| | **2.—NENE. 39 sq. mi.** | | | | | | | | | |
| | **BEDFORDSHIRE. (Area, 467 sq. mi.)** | | | | | | | | | |
| | **1.—THAMES. Colne. 20 sq. mi.** | | | | | | | | | |
| D | Studham Hall | | A. S. Butler, Esq. | 5 | 1 0 | 636 | ... | 27·16 | 176 | 125 |
| D | WHIPSNADE Park | | Zoological Society | 5 | 1 0 | 720 | 28·7 | 31·01 | 210 | 147 |
| | **2.—THAMES. Lea. 32 sq. mi.** | | | | | | | | | |
| D | Luton (Pumping Station) | | Borough Engineer | 5 | 1 2 | 330 | 25·8 | 26·32 | 159 | 114 |
| D | Dunstable (Waterworks) | | Dunstable Gas & Water Co. | 5 | 1 0 | 520 | ... | 27·72 | 173 | 135 |
| d | Dunstable (Cemetery) | | Borough Engineer | 8 | 1 8 | 515 | ... | 26·58 | ... | ... |
| D | LUTON (Wardown Park) | | Borough Engineer | 5 | 1 0 | 381 | 25·2 | 26·54 | 167 | 123 |
| | **3.—OUSE. 408 sq. mi.** | | | | | | | | | |
| d | Luton (Stopsley) | | Lee Conservancy Catchm. Bd. | 5 | 1 0 | 540 | 25·7 | 28·25 | ... | ... |
| D | DUNSTABLE | | Meteorological Office | 5 | 1 0 | 516 | ... | 26·38 | 168 | 126 |
| D | Leighton Buzzard (Heath Road) | | Great Ouse River Board | 5 | 1 0 | 250 | ... | 26·85 | 190 | 134 |
| D | Battlesden (Pumping Station) | | Bucks Water Board | 8 | 1 0 | 358 | ... | 25·90 | 173 | 129 |
| D | Meppershall (High Street) | | Mrs. F. Rainbow | 5 | 1 0 | 250 | 22·9 | 20·52 | 152 | 114 |
| D | Hockliffe (Lyndhurst) | | C. J. Kilby, Esq. | 5 | 1 0 | 241 | 25·0 | 24·78 | 165 | 114 |
| D | WOBURN (Experimental Farm) | | Lawes Agricultural Trust | 8 | 1 0 | 291 | 23·9 | 26·23 | 175 | 123 |
| d | Letchworth (New Sewage Works) | | Surveyor, U.D.C. | 5 | 1 0 | 209 | 22·3 | 21·82 | ... | ... |
| d | Stotfold (Three Counties Hospital) | | Dr. McDiarmid | 5 | 1 6 | 220 | 22·6 | 22·24 | ... | ... |
| D | Silsoe (The Red House) | | H. I. Godfrey, Esq. | 5 | 1 0 | 212 | 22·2 | 20·73 | 154 | 119 |
| D | SILSOE (Wrest Park) | (+A) | Nat. Inst. of Agric. Eng. | 5 | 1 0 | 195 | ... | 20·59 | 167 | 107 |
| d | Arlesey (Sewage Works) | | H. W. Pridmore, Esq. | 5 | 1 0 | 141 | 22·4 | 22·51 | ... | ... |
| D | Stotfold (Sewage Works) | | H. W. Pridmore, Esq. | 5 | 1 0 | 130 | ... | 20·62 | 146 | 115 |
| D | Ampthill (Lyme Road) | | J. K. Horne, Esq. | 5 | 1 0 | 300 | ... | 25·39 | 157 | 126 |
| | Shefford (Clifton Close) | | C. H. Inskip, Esq. | 5 | 1 6 | 90 | 22·2 | 19·95 | ... | ... |
| D | Biggleswade (New Spring P.S.) | | T. A. Staniforth, Esq. | 5 | 1 6 | 175 | 21·6 | 22·39 | 148 | 113 |
| D | CRANFIELD Airfield | (+A) | Meteorological Office | 5 | 1 0 | 340 | ... | 23·12 | 170 | 121 |
| | Kempston | | Mr. C. S. Payne | 6 | 2 0 | 125 | ... | 23·69 | ... | ... |
| D | Potton (Sewage Works) | | H. W. Pridmore, Esq. | 5 | 1 0 | 111 | 21·7 | 23·37 | 182 | 123 |
| d | Sandy (Mogerhanger Park) | | W. R. Pettifer, Esq. | 5 | 1 0 | 152 | 23·1 | 22·53 | ... | 115 |
| D | Sandy (Sewage Works) | | Sandy U.D.C. | 5 | 0 10 | 72 | ... | 21·44 | 152 | 111 |
| D | Bedford (Castle Road) | | Miss M. E. Newbery | 5 | 4 0 | 100 | 22·3 | 24·18 | 163 | 124 |

## DIVISION III—SOUTH MIDLAND COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1952 Rainfall | 1952 Days with ·01 in. or more | 1952 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **BEDFORDSHIRE—(*contd.*).** | | *in.* | *ft.* | *ft.* | *in.* | *in.* | | |
| | **3.—OUSE—(*contd.*).** | | | | | | | | |
| D | BEDFORD (Queens Park) | J. K. Rothwell, Esq. | 5 | 1 | 92 | ... | 24·42 | 186 | 122 |
| D | Bedford (Hurst Grove) | E. H. Lock, Esq. | 5 | 1 | 90 | ... | 25·11 | 161 | 122 |
| D | Bedford (Bedford Park) | (+A) Borough Engineer | 8 | 1 | 117 | ... | 22·67 | 175 | 119 |
| D | Goldington (Castle Mill House) | G. A. Rogers, Esq. | 5 | 1 | 79 | 21·9 | 20·68 | 140 | 106 |
| D | Berkhamsted (Barnham Meadway) | Miss M. Hulse | 5 | 1 | 600 | ... | 27·78 | 160 | 122 |
| D | Great Barford House | J. Arnold Whitchurch, Esq. | 5 | 1 | 126 | 22·1 | 22·50 | 145 | 120 |
| D | Carlton (The Cottage) | Brig. J. S. Davenport | 5 | 1 | 200 | ... | 25·61 | 160 | 121 |
| d | Pavenham | C. D. Linnell, Esq. | 5 | 1 | 200 | 22·4 | 24·60 | ... | ... |
| D | Carlton (Stayesmore Manor) | Col. G. A. Battcock | 5 | 1 | 168 | ... | 26·65 | 166 | 116 |
| | **4.—NENE. 7 sq. mi.** | | | | | | | | |
| | **CAMBRIDGESHIRE. (Area, 863 sq. mi.)** | | | | | | | | |
| | **1.—STOUR. 17 sq. mi.** | | | | | | | | |
| | **2.—OUSE. 741 sq. mi.** | | | | | | | | |
| D | Ashwell (Odsey) | W. Herbert Fordham, Esq. | 5 | 1 | 256 | 23·0 | 23·72 | 168 | 110 |
| D | Melbourn (County School) | W. Ogden, Esq. | 5 | 1 | 85 | 22·2 | 26·68 | 160 | 117 |
| D | Horseheath (Old Rectory) | O. Tabram, Esq. | 5 | 1 | 320 | ... | 27·80 | 200 | 134 |
| D | Hildersham (Old Mill House) | Lt-Col. O. B. Foster, M.C. | 5 | 1 | 108 | 22·5 | 23·23 | 171 | 128 |
| D | Great Shelford Vicarage | Rev. R. Gardner | 5 | 1 | 50 | ... | 21·89 | 178 | 114 |
| D | Fulbourn (Fleam Dyke) | Cambridge Waterworks Co. | 5 | 1 | 99 | 23·0 | 23·26 | 185 | 107 |
| D | Fulbourn (Hospital) | Head Gardener | 5 | 1 | 72 | 22·7 | 21·65 | 152 | 125 |
| D | Cambridge (Barrow Road) | N. T. Myers, Esq. | 8 | 0 | 9 | 47 | 22·3 | 23·03 | 158 |
| D | Cambridge (33 Barrow Road) | Rev. H. C. Newbery | 5 | 1 | 6 | 30 | 22·0 | 22·12 | 171 |
| d | Cambridge (Corporation Store Yard) | Borough Engineer | 5 | 1 | 8 | 52 | 21·2 | 22·84 | ... |
| D | CAMBRIDGE (BOTANIC GARDENS) | Director | 5 | 1 | 0 | 41 | 21·8 | 22·09 | 167 |
| | Cambridge (Glisson Road) | Rev. M. de Courcy-Ireland | 5 | 1 | 0 | 48 | ... | 25·68 | ... |
| D | Cambridge (Corporation P.S.) | Borough Engineer | 5 | 2 | 4 | 42 | 22·1 | 21·71 | 161 |
| D | Cambridge (Oxford Road) | J. Doggett, Esq. | 5 | 1 | 0 | 62 | ... | 23·55 | 169 |
| D | CAMBRIDGE (N.I.A.B.) | Director | 5 | 1 | 0 | 85 | ... | 22·42 | 173 |
| d | Dullingham (Stetchworth Park) | Mr. H. Fern | 5 | 1 | 3 | 270 | ... | 24·68 | ... |
| d | Quy Hall | Lt.-Col. J. C. W. Francis | 5 | 0 | 9 | 18 | 22·6 | 26·23 | ... |
| D | BOXWORTH | Farm Director | 5 | 1 | 0 | 157 | ... | 20·66 | 184 |
| D | Boxworth (Manor House) | Lt.-Col. E. B. Thornhill, M.C. | 5 | 1 | 0 | 76 | 23·4 | 23·22 | 202 |
| d | Waterbeach (Bottisham Lock) | Great Ouse River Board | 5 | 1 | 7 | 10 | 20·5 | 17·49 | ... |
| D | Cottenham (Bernard House) | Miss K. Bull | 5 | 1 | 6 | 30 | 22·1 | 20·04 | 196 |
| D | Fordham (London House) | W. V. Bloom, Esq. | 5 | 1 | 0 | 30 | 21·4 | 20·71 | 155 |
| d | Bluntisham (Brownshill Staunch) | Great Ouse River Board | 5 | 1 | 0 | 10 | ... | 19·79 | ... |
| D | Stretham Engine House | C. O. Clarke, Esq. | 5 | 1 | 0 | 13 | 21·2 | 18·93 | 140 |
| D | Ely (Roswell Pits) | Great Ouse River Board | 5 | 2 | 0 | 114 | ... | 20·89 | 165 |
| D | Ely (Prickwillow) | Supt. Middle Fen Comm. | ... | ... | ... | 10 | ... | 23·69 | 157 |
| D | Littleport (Highfield House) | Miss S. M. Martin | 8 | 4 | 0 | 67 | 21·3 | 19·40 | 149 |
| D | Chatteris (The Vicarage) | Rev. J. C. Hawthorn | 5 | 0 | 11 | 30 | ... | 21·78 | 197 |
| D | Chatteris (Cemetery) | G. McLeod, Esq., C.E. | 5 | 1 | 0 | 25 | ... | 21·46 | 155 |
| D | Chatteris (Puddock Bridge) | G. McLeod, Esq., C.E. | 5 | 1 | 0 | 5 | ... | 19·65 | 149 |
| D | Whittlesey (Glassmoor Bungalow) | Whittlesey Farcet Int. D. Bd. | 5 | 1 | 0 | 1 | ... | 20·43 | 140 |
| D | Whittlesey (Ashline Sluice) | G. McLeod, Esq., C.E. | 5 | 1 | 0 | 15 | ... | 19·99 | 147 |
| d | March | G. McLeod, Esq., C.E. | 5 | 1 | 0 | 8 | 22·8 | 21·94 | ... |
| D | Upwell (Marmont Priory Lock) | G. McLeod, Esq., C.E. | 8 | 1 | 0 | 10 | 20·6 | 20·99 | 172 |
| | **3.—NENE. 105 sq. mi.** | | | | | | | | |
| D | Stanground Sluice | G. McLeod, Esq., C.E. | 5 | 1 | 0 | 15 | 21·7 | 20·84 | 166 |
| d | Thorney Toll (Elm Tree Farm) | Mrs. Snushall | 5 | 2 | 6 | 6 | ... | 20·82 | ... |
| D | Thorney (North House) | H. W. Burton, Esq. | 5 | 1 | 0 | 4 | ... | 20·19 | 158 |
| d | Thorney (Nutsgrove Farm) | T. R. Pick, Ltd. | 5 | 0 | 5 | 12 | ... | 18·42 | ... |
| D | Parson Drove (Clough's Cross) | J. C. Purser, Esq. | 8 | 1 | 0 | 6 | 22·1 | 19·80 | 175 |
| d | Wisbech (Tydd Manor) | Messrs. A. H. Carter & Sons | 5 | 6 | 0 | 9 | ... | 19·88 | ... |

# DIVISION IV—EASTERN COUNTIES

| | STATIONS | AUTHORITIES | Rain-gauge: Diam. | Rain-gauge: Height of Rim above Ground | Rain-gauge: Height of Ground above Sea Level | Average Rainfall | 1952: Rainfall | 1952: Days with ·01 in. or more | 1952: Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **ESSEX. (Area, 1,532 sq. mi.)** | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **1.—THAMES. Lea. 132 sq. mi.** | | | | | | | | |
| D | West Ham (Abbey Mills) | London County Council | 8 | 0 8 | 15 | 22·3 | 24·39 | 153 | 98 |
| D | Leyton (Sewage Works) (+A) | Borough Engineer | 5 | 0 9 | 22 | 23·0 | 23·74 | 155 | 117 |
| D | Lea Bridge (Waterworks) | Metropolitan Water Board | 5 | 1 0 | 23 | *22·0* | 23·19 | 155 | 116 |
| D | Walthamstow (Ferry Lane) | Metropolitan Water Board | 5 | 1 0 | 30 | 22·6 | 22·06 | 145 | 112 |
| D | *Woodford (HaggarLane) | Metropolitan Water Board | 8 | 1 0 | 176 | 23·0 | 25·35 | 152 | 119 |
| D | *Buckhurst Hill Reservoir | Metropolitan Water Board | 5 | 1 0 | 275 | *23·9* | 25·85 | 168 | 117 |
| D | Chingford (Beresford Road) | H. Hawkins, Esq. | 5 | 0 10 | 150 | ... | 24·70 | 181 | 116 |
| D | Chingford (Crescent Road) | Miss M. L. Mathieson | 5 | 1 0 | 200 | *23·3* | 25·63 | 168 | 120 |
| D | Chingford Mill | Metropolitan Water Board | 5 | 1 0 | 40 | *23·0* | 22·97 | 163 | 115 |
| D | Loughton (High Beech Reservoir) | Metropolitan Water Board | 8 | 1 0 | 376 | *25·1* | 28·22 | 170 | 122 |
| D | Waltham Abbey (Rammey Marsh) | Metropolitan Water Board | 5 | 1 0 | 60 | *23·4* | 23·65 | 156 | 119 |
| D | Waltham Abbey (Pumping Station) | Metropolitan Water Board | 5 | 1 0 | 62 | 23·3 | 23·87 | 165 | 129 |
| d | Waltham Abbey (Gunpowder Factory) | Superintendent | 5 | 1 0 | 64 | ... | 23·32 | ... | ... |
| D | Spellbrook Lock | Lee Conservancy Catchm. Bd. | 5 | 0 9 | 172 | ... | 23·95 | 161 | 117 |
| D | Hatfield Broad Oak (Barrington) | A. H. Gosling, Esq. | 5 | 0 10 | 300 | 24·3 | 26·66 | 177 | 134 |
| D | Stansted Nurseries | C. G. Hill-Smith, Esq. | 5 | 1 0 | 275 | ... | 29·34 | 178 | 128 |
| D | Stansted (Burton Bower) | Major E. Cawkell | 5 | 1 0 | 335 | ... | 28·18 | 182 | 126 |
| D | Clavering (Clavering Hall) | Messrs. Tinney & Hitchcock | 5 | 0 9 | 300 | ... | 25·96 | 157 | 117 |
| | **2.—THAMES. Roding & c. 316 sq. mi.** | | | | | | | | |
| D | Grays (Sewage Works) | Manager | 8 | 2 0 | 9 | 20·3 | 22·53 | 160 | 114 |
| d | Tilbury (Beaconsfield Road) | C. S. H. Hawkes, Esq., C.E. | 5 | 1 0 | 6 | *20·2* | 21·49 | ... | ... |
| D | Purfleet | Thames Board Mills, Ltd. | 8 | 1 0 | 4 | ... | 21·63 | 152 | 108 |
| d | Grays (Connaught Avenue Depot) | C. S. H. Hawkes, Esq., C.E. | 5 | 1 6 | 80 | ... | 21·34 | ... | ... |
| D | Rainham (Riverside Sewage Works) | Dagenham U.D.C. | 8 | 1 6 | 5 | 19·3 | 21·51 | 181 | 113 |
| d | Rainham (Spring Farm Rec. Ground) | Hornchurch U.D.C. | 5 | 1 0 | 24 | ... | 22·75 | ... | ... |
| d | Orsett Hall | Col. Sir Francis Whitmore | 8 | 1 2 | 70 | ... | 24·40 | ... | ... |
| D | Barking | Engineer and Surveyor | 5 | 1 0 | 5 | ... | 20·88 | 144 | 104 |
| D | East Ham (Central Park) | Corporation | 8 | 1 0 | 15 | 22·3 | 20·30 | 148 | 103 |
| D | East Ham Well | Metropolitan Water Board | 5 | 1 0 | 17 | 21·6 | 21·25 | 154 | 98 |
| D | Canvey Island | Engineer & Surveyor | 5 | 1 0 | 9 | ... | 24·10 | 175 | 123 |
| D | Upminster (Little Gaynes Gardens) | A. D. May, Esq. | 8 | 1 0 | 70 | ... | 24·55 | 168 | 111 |
| d | Ilford (Loxford Park) | L. E. J. Reynolds, Esq., C.E. | 5 | 1 0 | 30 | ... | 23·25 | ... | 122 |
| d | Ilford (Goodmayes Park) | L. E. J. Reynolds, Esq., C.E. | 5 | 1 0 | 38 | ... | 24·17 | ... | 116 |
| d | Ilford (Valentines Park) (+A) | L. E. J. Reynolds, Esq., C.E. | 5 | 1 0 | 43 | ... | 23·95 | ... | 124 |
| d | Ilford (Clayhall Park) | L. E. J. Reynolds, Esq., C.E. | 5 | 1 0 | 109 | ... | 25·38 | ... | 126 |
| D | Ilford (Barkingside) | N. Twydell, Esq. | 5 | 1 0 | 85 | ... | 23·75 | 160 | 108 |
| d | Ilford (Hainault Rec. Ground) | L. E. J. Reynolds, Esq., C.E. | 5 | 1 0 | 105 | ... | 23·89 | ... | 117 |
| D | Southend (The Cliffs) | Pier Master | 8 | 1 0 | 90 | 20·8 | 23·00 | 171 | 116 |
| D | Southend (Waterworks) | Southend Waterworks Co. | 8 | 1 0 | 123 | 21·1 | 22·61 | 169 | 110 |
| d | Vange (Pumping Station) | Southend Waterworks Co. | 5 | 1 0 | 43 | ... | 22·99 | (169) | (109) |
| d | Manor Park (City of London Cemy.) | Superintendent | 5 | 0 6 | 50 | 22·4 | 24·29 | ... | ... |
| D | Horndon (Eastern Sewage Works) | Hornchurch U.D.C. | 5 | 1 3 | 23 | *20·5* | 23·21 | 163 | 116 |
| D | Hornchurch (Kenilworth Gardens) | R. G. Burrell, Esq. | 5 | 1 0 | 80 | ... | 23·61 | 170 | 115 |
| D | Hornchurch | Hornchurch U.D.C. | 8 | 1 0 | 44 | *21·0* | 23·21 | 154 | 116 |
| D | Wanstead (Red Bridge) | Metropolitan Water Board | 5 | 1 0 | 25 | 22·8 | 23·44 | 144 | 113 |
| D | Romford (Raphael Park) | Engineer & Surveyor | 5 | 1 0 | 109 | ... | 23·19 | 155 | 110 |
| d | Harold Wood (Recreation Ground) | Hornchurch U.D.C. | 5 | 1 0 | 93 | ... | 24·18 | ... | ... |
| D | Brentwood (Secondary Boys' School) | Headmaster | 5 | 1 0 | 396 | ... | 22·55 | 179 | 110 |
| d | Loughton (The Summit) | Mrs. Stoker | 5 | 0 9 | 314 | ... | 25·18 | ... | ... |
| D | Theydon Bois (Thrifts Hill) | I. Lloyd-Jones, Esq. | 5 | 1 0 | 245 | *23·6* | 22·59 | 148 | 112 |
| d | Theydon Bois (Birch Hall) | Lt.-Col. E. N. Buxton | 5 | 0 11 | 300 | *23·8* | 22·18 | ... | ... |
| | Ongar (Wilderness House) | Wing Cmdr. D. A. J. Buxton | 5 | 0 10 | 175 | ... | 24·92 | ... | ... |

* Turf wall round gauge.

## DIVISION IV—EASTERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Height of Rim above Ground | Height of Ground above Sea Level | Average Rainfall | 1952 Rainfall | Days with ·01 in. or more | Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | ESSEX—(*contd.*). | | *in.* | *ft.* | *in.* *ft.* | *in.* | *in.* | | |
| | **2.—THAMES Rodine & c.**—*contd.* | | | | | | | | |
| D | North Weald (Canes) ... ... | ... Mrs. Hart ... ... ... | 5 | 1 | 0 250 | *24·2* | 23·85 | 169 | 127 |
| D | CHIPPING ONGAR (FYFIELD) | ... Essex River Board ... ... | 5 | 1 | 0 159 | ... | 22·71 | 143 | 117 |
| d | Great Canfield ... ... | ... G. Eland, Esq. ... ... | 5 | 1 | 0 270 | ... | 24·14 | ... | ... |
| | **3.—CROUCH. 186 sq. mi.** | | | | | | | | |
| D | Southend (Southchurch Boulevard) | ... H. J. G. Ralph, Esq. ... | 8 | 1 | 0 66 | *21·0* | 24·03 | 185 | 123 |
| D | SHOEBURYNESS ... ... ... | ... Meteorological Office ... | 5 | 1 | 0 11 | 19·8 | 23·25 | 166 | 106 |
| d | Southchurch (Barling Road) ... | ... C. E. Smith, Esq. ... ... | 5 | 1 | 6 25 | ... | 23·22 | ... | ... |
| D | Leigh (Brick House) ... ... | ... Miss I. Bentall ... ... | 5 | 0 | 10 136 | ... | 22·98 | 158 | 118 |
| D | Thundersley Reservoir ... | ... Southend Waterworks Co. | 5 | 1 | 0 277 | *21·3* | 25·34 | 161 | 126 |
| D | Rayleigh (Alanbank) ... ... | ... Miss E. I. Chant ... ... | 5 | 1 | 0 262 | ... | 24·94 | 179 | 122 |
| D | Basildon Rectory ... ... | ... Basildon Develop. Corpn.... | 8 | 2 | 3 120 | ... | 25·05 | 161 | 112 |
| D | Potton Island ... ... ... | ... A. H. Philpot & Sons., Ltd. | 5 | 1 | 0 4 | ... | 25·88 | 166 | 119 |
| W | Billericay (Service Tank) ... | ... Southend Waterworks Co. | 5 | 1 | 0 310 | ... | 25·65 | ... | ... |
| D | Burnham (Fisheries Laboratory) | ... Min. of Agric. & Fisheries... | 8 | 15 | 6 10 | ... | 24·07 | 153 | 100 |
| D | Burnham (Wycke Farm) ... | ... J. W. Cottis, Esq. ... ... | 5 | 1 | 0 0 | ... | 24·46 | 155 | 116 |
| d | Southminster (The New Moor) | ... Miss M. A. Attenborough | 5 | 1 | 6 72 | ... | 25·38 | ... | ... |
| | **4.—BLACKWATER. 425 sq. mi.** | | | | | | | | |
| D | Hutton (Greenway) ... ... | ... H. C. Mills, Esq., F.C.I.S. | 5 | 1 | 6 325 | ... | 27·03 | 178 | 122 |
| D | Ingatestone (Trueloves) ... | ... Mr. F. W. Mann ... ... | 5 | 1 | 0 249 | *23·1* | 24·24 | 165 | 114 |
| D | Hanningfield Reservoir ... | ... S. Essex Waterworks Co. ... | 5 | 1 | 0 160 | ... | 24·14 | 169 | 117 |
| D | Margaretting (Writtle Park) ... | ... A. H. Philpot & Sons, Ltd. | 5 | 1 | 0 308 | ... | 26·14 | 168 | 129 |
| D | Chelmsford (Galleywood) ... | ... W. Lawrence Taylor, Esq.... | 8 | 1 | 0 200 | ... | 23·20 | 159 | 116 |
| D | Chelmsford (Longstomps Reservoir)... | Water Engineer ... ... | 5 | 1 | 0 230 | ... | 22·86 | 175 | 117 |
| D | Bradwell-on-Sea (Bellropes) ... | ... H. D. Chillingworth, Esq. | 5 | 1 | 6 75 | 20·5 | 25·40 | 154 | 112 |
| D | WRITTLE ... ... ... ... | ... Essex Inst. of Agriculture ... | 5 | 1 | 0 110 | ... | 22·75 | 163 | 120 |
| D | MALDON ... ... ... ... | ... Town Clerk ... ... ... | 5 | 1 | 0 14 | *20·0* | 23·46 | 173 | 115 |
| D | Chelmsford (Sandford Mill W.W.)(+A) | Essex River Board ... ... | 8 | 0 | 10 68 | ... | 21·36 | 159 | 113 |
| D | Hatfield Peverel (Rushes Lock) | ... Southend Waterworks Co. | 8 | 1 | 6 40 | ... | 22·35 | 177 | 118 |
| D | Langford (Treatment Plant) ... | ... Southend Waterworks Co. | 8 | 1 | 5 40 | *21·8* | 22·29 | 160 | 123 |
| d | Witham (Wickham Hall) ... | ... D. B. Smith, Esq. ... ... | 5 | 1 | 0 60 | *20·8* | 22·92 | ... | ... |
| D | Hatfield Peverel (Lower Farm) | ... H. J. Russel, Esq. ... ... | 5 | 1 | 0 101 | ... | 22·12 | 165 | 120 |
| D | Great Totham ... ... | ... C. Weston Eve, Esq. ... | 5 | 1 | 0 190 | ... | 23·77 | 166 | 125 |
| | Little Waltham (Merefields) ... | ... J. H. Rosling, Esq. ... | 5 | 1 | 0 140 | ... | 20·39 | ... | ... |
| d | Wickham Bishops ... ... | ... Mrs. Fowler ... ... | 5 | 1 | 4 250 | 21·4 | 19·54 | ... | ... |
| D | Tolleshunt D'Arcy (Oxley Hill) | ... H. Campkin, Esq. ... ... | 5 | 1 | 0 100 | *22·0* | 23·28 | 170 | 124 |
| d | Witham (Faulkbourne Hall) ... | ... Mrs. C. W. Parker ... | 5 | 1 | 0 100 | *21·9* | 20·86 | ... | ... |
| d | Little Leighs (Kelle) ... ... | ... W. C. Neild, Esq. ... ... | 5 | 1 | 2 192 | *22·3* | 21·75 | ... | ... |
| d | Kelvedon (Harboro Hall) ... | ... A. Bevington Smith, Esq. ... | 5 | 1 | 0 175 | ... | 25·00 | ... | ... |
| d | Kelvedon (Messing Street) ... | ... Mrs. Calver ... ... ... | 5 | 2 | 1 120 | ... | 22·51 | ... | ... |
| | Rivenhall (Park Gate Farm) ... | ... Joseph Smith (Farms) Ltd. | 5 | 1 | 0 149 | ... | 22·41 | ... | ... |
| D | Felsted School ... ... ... | ... J. H. Lee, Esq. ... ... | 5 | 1 | 0 248 | *22·9* | 22·67 | 157 | 116 |
| D | Rayne (Staneway) ... ... | ... Mrs. Burt ... ... ... | 5 | 1 | 0 247 | *23·0* | 21·36 | 152 | 117 |
| D | Braintree (Coggeshall Road) ... | ... A. F. Gunn, Esq. ... ... | 5 | 1 | 0 222 | ... | 21·60 | 155 | 110 |
| D | Shalford (Littles) ... ... | ... W. B. Hart, Esq. ... ... | 5 | 1 | 5 262 | 22·8 | 24·75 | 181 | 125 |
| d | Great Bardfield (Great Lodge) | ... Joseph Smith (Farms) Ltd. | 5 | 1 | 6 250 | ... | 22·12 | ... | ... |
| D | Great Bardfield (South Lodge) | ... G. H. Brunwin, Esq. ... | 5 | 1 | 0 250 | *23·2* | 23·71 | 165 | 119 |
| | **5.—COLNE & C. 283 sq. mi.** | | | | | | | | |
| d | St. Osyth (Wigborough Wick) | ... P. B. Smith, Esq. ... ... | 5 | 1 | 0 10 | *19·3* | 26·14 | ... | 111 |
| D | CLACTON-ON-SEA (Hospital Site) | ... Town Clerk ... ... ... | 5 | 1 | 0 68 | 20·5 | 27·00 | 173 | 126 |
| D | Clacton-on-Sea (King's Road) | ... W. Tomlin, Esq. ... ... | 5 | 1 | 0 45 | ... | 25·83 | 156 | 114 |
| D | Great Clacton (Clay Hall) ... | ... Miss E. A. Smith ... ... | 5 | 1 | 0 45 | *20·4* | 27·11 | 167 | 123 |

## DIVISION IV—EASTERN COUNTIES—(*contd.*)

| | STATIONS | | AUTHORITIES | Rain-gauge Diam. | Height of Rim above Ground | Height of Ground above Sea Level | Average Rainfall | 1952 Rainfall | 1952 Days with ·01 in. or more | 1952 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|---|
| | ESSEX—(*contd.*). | | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **5.—COLNE & C.—(*contd.*).** | | | | | | | | | |
| D | Tiptree Waterworks | | S. Essex Waterworks Co. | 5 | 1 0 | 239 | ... | 22·44 | 161 | 116 |
| D | Little Holland (The Sluice House) | | Essex River Board | 5 | 0 7 | 14 | ... | 27·25 | 168 | 125 |
| D | Colchester (Layer-de-la-Haye) | | S. Essex Waterworks Co. | 5 | 1 0 | 145 | ... | 24·00 | 159 | 119 |
| D | Colchester (Hythe Gas Works) | | Eastern Gas Board | 8 | 4 0 | 6 | *22·0* | 23·46 | 153 | 120 |
| D | Colchester (Castle Park) | | J. S. Orchard, Esq., C.E. | 8 | 1 2 | 87 | ... | 24·13 | 170 | 119 |
| D | Colchester (Waterworks) | (+A) | J. S. Orchard, Esq., C.E. | 8 | 1 0 | 38 | ... | 24·60 | 162 | 120 |
| | Earls Colne (Coggeshall Road) | | C. T. Richardson, Esq. | 5 | 1 0 | 220 | ... | 23·05 | ... | ... |
| D | EARLS COLNE (Grammar School) | | Headmaster | 5 | 1 0 | 160 | 23·5 | 24·06 | 153 | 119 |
| d | Ardleigh (Chancery Farm) | | Mrs. Lloyd | 5 | 1 6 | 120 | ... | 23·43 | ... | ... |
| D | Halstead (Attwoods) | | Miss A. E. Vaizey | 5 | 1 6 | 200 | *23·6* | 22·33 | 164 | 117 |
| D | HALSTEAD (The Brewery) | | F. N. Adams, Esq. | 5 | 1 0 | 140 | 23·0 | 23·77 | 167 | 126 |
| D | Wethersfield (Summers Hall) | | I. D. Barron, Esq. | 5 | 1 0 | 270 | ... | 24·43 | 195 | 122 |
| D | Great Yeldham Hall | | G. A. Goodchild, Esq. | 5 | 1 6 | 80 | 23·1 | 23·73 | 171 | 128 |
| | **6.—STOUR. 110 sq. mi.** | | | | | | | | | |
| D | DOVERCOURT | | Borough Surveyor, Harwich | 5 | 1 0 | 47 | 21·1 | 25·32 | 168 | 114 |
| d | Mistley (The Maltings) | | Brooks (Mistley), Ltd. | 5 | 1 0 | 30 | 22·2 | 23·73 | ... | ... |
| D | Dedham | | Essex River Board | 5 | 1 0 | 115 | ... | 26·43 | 165 | 120 |
| D | Nayland (Boxted Lodge) | | Essex River Board | 5 | 1 2 | 160 | ... | 25·38 | 155 | 125 |
| D | Nayland (Boxted) | | Carter & Blewitt, Ltd. | 5 | 1 0 | 154 | ... | 25·65 | 160 | 123 |
| D | Manningtree (Lawford Place) | | B. X. Plastics, Ltd. | 5 | 1 0 | 113 | ... | 25·30 | 166 | 123 |
| D | Langham (Waterworks) | | S. Essex Waterworks Co. | 5 | 1 0 | 44 | *22·0* | 21·90 | 161 | 116 |
| d | Sudbury (Belchamp Hall) | | Essex River Board | 5 | 1 0 | 160 | ... | 23·41 | ... | ... |
| | **7.—OUSE. 80 sq. mi.** | | | | | | | | | |
| D | Quendon (Rickling) | | Messrs Tinney & Hitchcock | 5 | 1 0 | 325 | 24·1 | 26·12 | 157 | 112 |
| D | Saffron Walden (Debden Road) | | A. Marsh, Esq. | 5 | 1 0 | 305 | 23·5 | 23·39 | 179 | 117 |
| D | Saffron Walden (Bridge End) | | W. Heyes, Esq., B.Sc. | 5 | 2 0 | 200 | 23·2 | 24·09 | 152 | 116 |
| | **SUFFOLK. (Area, 1,489 sq. mi.)** | | | | | | | | | |
| | **1.—STOUR. 271 sq. mi.** | | | | | | | | | |
| D | East Bergholt (Ackworth House) | | A. Harwood, Esq. | 8 | 1 0 | 145 | ... | 24·26 | 160 | 124 |
| d | Little Cornard (Moss Cottage) | | Essex River Board | 5 | 1 0 | 145 | ... | 21·44 | ... | ... |
| d | Sudbury (Edwardstone) | | Essex River Board | 5 | 1 0 | 185 | ... | 22·11 | ... | ... |
| D | Hadleigh (Penlands) | | E. A. Lee, Esq. | 5 | 1 0 | 185 | 24·4 | 25·04 | 158 | 121 |
| D | Haverhill (Waterworks) | | J. H. Clarke, Esq. | 8 | 0 9 | 280 | 24·1 | 23·86 | 161 | 119 |
| D | Great Waldringfield (Rectory Flat) | | J. W. B. Meaby, Esq. | 5 | 1 0 | 198 | ... | 23·05 | 156 | 121 |
| D | Long Melford (Westgate House) | | K. F. Colvile, Esq. | 5 | 1 0 | 146 | 23·5 | 25·02 | 171 | 124 |
| d | Long Melford (Stafford Works) | | Essex River Board | 5 | 3 0 | 103 | ... | 23·08 | ... | ... |
| d | Clare (Little Wratting) | | Essex River Board | 5 | 0 9 | 296 | ... | 23·90 | ... | ... |
| D | Boxted Hall | | Essex River Board | 5 | 1 0 | 160 | ... | 26·73 | 157 | 129 |
| | **2.—ORWELL. 166 sq. mi.** | | | | | | | | | |
| D | Hartest (Chadacre Agric. Inst.) | | Principal | 5 | 1 0 | 250 | ... | 26·64 | 166 | 131 |
| d | Cockfield | | Essex River Board | 5 | 1 0 | 270 | ... | 25·82 | ... | ... |
| D | Trimley (The Avenue) | | R. L. T. Clarkson, Esq. | 5 | 1 0 | 72 | ... | 25·69 | 181 | 115 |
| D | IPSWICH (BELSTEAD HALL) | (+A) | Richard Wilson, Esq. | 5 | 1 0 | 123 | ... | 24·96 | 171 | 117 |
| d | Ipswich (Upton Lodge) | | E. S'folk and N'folk R. Bd. | 5 | 1 0 | 77 | ... | 23·53 | ... | ... |
| d | ‖Ipswich (Museum) | | Curator | 8 | 1 0 | 72 | *23·5* | 23·31 | ... | ... |
| d | Elmsett (Laurel Cottage) | | Miss C. E. Ladbrook | 5 | 3 6 | 230 | *23·8* | 22·45 | ... | 111 |
| D | Coddenham (Shrubland Park) | | A. A. Geater, Esq. | 5 | 1 3 | 168 | ... | 26·49 | 166 | 129 |
| D | Coddenham (Cousins Hill) | | Miss Tidswell | 5 | 1 0 | 160 | 23·9 | 28·82 | 186 | 134 |

‖ Gauge oversheltered.

## DIVISION IV—EASTERN COUNTIES—(*contd.*)

| | STATIONS | | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1952 Rainfall | 1952 Days with ·01 in. or more | 1952 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|---|
| | SUFFOLK—(*contd.*). | | | *in.* | *ft.* *in.* | *ft.* | *in.* | *in.* | | |
| | **3.—DEBEN & C. 466 sq. mi.** | | | | | | | | | |
| D | FELIXSTOWE | (+A) | Meteorological Office | 5 | 1 0 | 10 | 20·3 | 24·51 | 171 | 114 |
| D | Hollesley (Pumping Station) | | E. S'folk and N'folk R. Bd. | 5 | 1 0 | 11 | ... | 26·11 | 154 | 117 |
| D | Waldringfield | | Mr. H. J. R. Pease | 5 | 1 0 | 70 | 22·3 | 23·12 | 163 | 108 |
| D | Ipswich (Daleacre) | | C. Harrison-Jones, Esq. | 5 | 1 2 | 140 | ... | 25·35 | 205 | 121 |
| D | Martlesham (Beacon Hill) | | The Earl of Albermarle | 5 | 1 0 | 100 | ... | 24·18 | 158 | 119 |
| d | Woodbridge (Little Bealings) | | Capt. Guy Lemprière | 5 | 0 9 | 50 | 22·6 | 24·38 | ... | ... |
| D | Woodbridge (Warren Hill Road) | | Mrs. J. B. Martin | 5 | 1 0 | 100 | ... | 25·58 | 179 | 125 |
| D | Melton (Greylands) | | Miss Jervis-White-Jervis | 5 | 1 6 | 40 | *24·3* | 26·32 | 182 | 136 |
| d | Melton (St. Audry's Hospital) | | Senior Admin. Officer | 5 | 1 0 | 90 | *23 8* | 24·12 | (153) | (116) |
| D | Grundisburgh (Bridge House) | | Mrs. Armstrong | 5 | 1 1 | 50 | ... | 25·81 | 183 | 130 |
| D | Aldeburgh (Haven Sluice) | | E. S'folk and N'folk R. Bd. | 5 | 1 0 | 5 | ... | 27·57 | 171 | 130 |
| | Charsfield (Red House) | | Hugh P. Youngman, Esq. | 5 | 1 9 | 150 | *24·1* | 26·62 | ... | ... |
| D | Blaxhall | | R. H. Sherwood, Esq. | 5 | 1 0 | 50 | *23·4* | 28·13 | 180 | 132 |
| D | §Aldeburgh (Iken Way) | | G. E. Sunderland-Taylor, Esq | ... | ... ... | 10 | ... | 29·04 | 185 | 129 |
| d | Framlingham (Sewage Works) | | H. W. Willcock, Esq. | 5 | 1 0 | ... | ... | 29·55 | ... | ... |
| d | Saxmundham (Agric. Dem. Plot) | | Agricultural Ex. Committee | 5 | 1 0 | 90 | ... | 27·14 | ... | ... |
| D | Leiston (Upper Abbey) | | Miss M. K. Rope | 5 | 1 0 | 40 | ... | 26·17 | 176 | 129 |
| D | Laxfield (Badingham) | | W. Llewellyn Mold, Esq. | 5 | 1 0 | 180 | ... | 26·97 | 166 | 123 |
| D | Southwold | | H. A. Liquorish, Esq. | 8 | 1 0 | 0 | ... | 26·93 | 171 | 136 |
| d | Benacre (Pumping Station) | | E. S'folk and N'folk R. Bd. | 5 | 1 0 | 10 | ... | 29·55 | ... | ... |
| | **4.—YARE & C. 208 sq. mi.** | | | | | | | | | |
| D | LOWESTOFT (Secondary School) | | Town Clerk | 5 | 1 0 | 82 | 23·5 | 26·86 | 182 | 134 |
| D | Corton Vicarage | | Rev. C. A. B. Allen | 5 | 1 0 | 51 | ... | 27·50 | 194 | 139 |
| D | Herringfleet House | | G. H. Wyllys, Esq. | 5 | 1 0 | 55 | *25·2* | 30·21 | 195 | 153 |
| D | Lound (Pumping Station) | | Lowestoft Water & Gas Co. | 8 | 1 0 | 33 | *24·0* | 26·40 | 178 | 132 |
| D | Hopton (Hopton House) | | Col. F. E. Walter, D.S.O. | 5 | 1 2 | 100 | ... | 27·38 | 176 | 146 |
| d | Fritton Warren | | Miss V. M. Upcher | 5 | 1 0 | 42 | *25·9* | 27·11 | ... | ... |
| D | Fritton Hall | | Mr. F. Read | 8 | 0 11 | 30 | *24·7* | 29·85 | 190 | 148 |
| | **5.—OUSE. 378 sq. mi.** | | | | | | | | | |
| D | Bury St. Edmunds (Turret Close) | | Rev. P. R. Frost | 5 | 0 9 | 130 | ... | 25·78 | 169 | 137 |
| D | Bury St. Edmunds (Corp.Depot) | (+A) | Borough Engineer | 5 | 3 9 | 181 | ... | 25·07 | 171 | 132 |
| D | Newmarket (Sewage Outfall) | | F. B. Waterfall, Esq. | 5 | 1 0 | 81 | 23·2 | 22·50 | 150 | 119 |
| D | Moulton (Pumping Station) | | Mildenhall R.D.C. | 5 | 1 0 | 135 | ... | 23·75 | 163 | 120 |
| D | Bury St. Edmunds (Westley Hall) | | Mrs. Burrell | 5 | 1 0 | 226 | 25·1 | 26·95 | 167 | 140 |
| d | Bury St. Edmunds (Beet Sugar Factory) | | British Sugar Corpn. | 5 | 0 6 | 160 | ... | 24·22 | ... | ... |
| D | Pakenham (Church Hill) | | E Bryant, Esq. | 5 | 0 9 | 155 | ... | 23·57 | 191 | 137 |
| D | Bury St. Edmunds (Barton Lodge) | | Mrs. S. Cox | 5 | 1 0 | 200 | ... | 24·65 | 186 | 138 |
| d | Hengrave Hall | | Estate Agent | 5 | 1 5 | 85 | *22·9* | 24·02 | ... | ... |
| D | Bury St. Edmunds (Troston Hall) | | Major F. S. Beauford | 5 | 1 0 | 130 | *23·0* | 25·69 | 196 | 151 |
| D | Mildenhall (Worlington) | | Lord Sandhurst | 5 | 1 2 | 30 | ... | 22·05 | 185 | 116 |
| d | Mildenhall (Eriswell Pumping Stn.) | | Mildenhall R.D.C. | 5 | 1 0 | 30 | ... | 25·48 | 167 | 122 |
| D | MILDENHALL Airfield | (+A) | Meteorological Office | 8 | 1 0 | 15 | 21·4 | 20·70 | 174 | 112 |
| d | Isleham Lock | | Great Ouse River Board | 5 | 5 2 | 10 | ... | 18·71 | ... | ... |
| | Barningham (The Beeches) | | Miss A. K. Lingwood | 5 | 0 9 | 136 | *22·6* | 24·68 | ... | ... |
| D | Elveden Hall | | The Earl of Iveagh, C.B. | 5 | 1 0 | 130 | *23·9* | 25·28 | 181 | 140 |
| D | Brandon (Waterworks) | | Mildenhall R.D.C. | 5 | 1 3 | 82 | ... | 28·48 | 183 | 130 |
| | **NORFOLK. (Area, 2,041 sq. mi.)** | | | | | | | | | |
| | **1.—YARE. 658 sq. mi.** | | | | | | | | | |
| D | Diss (Roydon Hall) | | R. S. Copeman, Esq. | 5 | 1 0 | 140 | ... | 28·65 | 185 | 150 |
| D | Diss (Bressingham Hall) | | A. H. V. Bloom, Esq. | 5 | 1 0 | 96 | ... | 28·62 | 200 | 142 |

§Turf wall round gauge.

## DIVISION IV—EASTERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1952 Rainfall | 1952 Days with ·01 in. or more | 1952 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **NORFOLK—(*contd.*).** | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **1.—YARE—(*contd.*).** | | | | | | | | |
| | Harleston (Starston) | A. L. Taylor, Esq. | 5 | 0 10 | 120 | ... | 27·22 | ... | ... |
| D | Pulham St. Mary (Hill House) | W. G. Rutter, Esq. | 5 | 1 0 | 120 | 24·7 | 31·44 | 190 | 163 |
| D | Ditchingham | W. G. Rutter, Esq. | 5 | 1 0 | 25 | 23·9 | 28·80 | 170 | 149 |
| D | Ashwellthorpe (Tacolneston Hall) | C. H. Walter, Esq. | 5 | 1 0 | 200 | ... | 32·36 | 172 | 154 |
| d | Beccles (Raveningham Hall) | Lt.-Col. Sir Edmund Bacon Bt | 5 | 1 6 | 60 | 24·6 | 25·67 | ... | 135 |
| d | Hapton Parsonage | Lt.-Col. H. C. Copeman | 5 | 1 0 | 120 | ... | 25·19 | ... | ... |
| D | Wymondham (Browick Hall) | P. W. J. Fryer, Esq. | 5 | 1 8 | 140 | ... | 23·60 | 184 | 136 |
| | Hardingham Hall | Col. B. M. Edwards* | ... | ... ... | 100 | ... | 28·65 | ... | ... |
| D | Hingham (Southburgh) | R. W. Keatley, Esq. | 5 | 1 4 | 190 | ... | 28·23 | 208 | 149 |
| D | GORLESTON (Coastguard Station) | Station Officer, for M.O. | 8 | 1 0 | 5 | 24·5 | 27·55 | 183 | 138 |
| D | Norwich (Cringleford) | C. R. Edmondson, Esq. | 5 | 1 0 | 75 | ... | 25·96 | 179 | 138 |
| D | Norwich (City Cemetery) | L. Alan Jewell, Esq. | 5 | 1 2 | 93 | 25·5 | 27·05 | 191 | 145 |
| D | Norwich (Marlingford Hall) | Mrs. A. Evans-Lombe | 5 | 1 1 | 83 | 26·9 | 26·33 | 187 | 153 |
| | Great Fransham | Sir Stephen Renshaw | 5 | 1 0 | 230 | ... | 26·95 | ... | ... |
| | Sprowston (Oak Lodge) | A. Cozens-Hardy, Esq.* | 5 | 1 0 | 100 | 25·2 | 26·98 | ... | ... |
| d | East Dereham (The Laboratory) | Leonard A. Pett, Esq. | 5 | 1 1 | 200 | ... | 27·54 | ... | ... |
| D | Taverham (Deighton Hills) | T. B. Norgate, Esq. | 5 | 1 0 | 100 | ... | 26·82 | 197 | 137 |
| D | Great Massingham | A. E. Jones, Esq. | 5 | 1 0 | 250 | ... | 25·88 | 198 | 140 |
| D | WEST RAYNHAM Airfield | (+A) Meteorological Office | 5 | 1 0 | 240 | ... | 23·79 | 193 | 133 |
| d | Cawston (New Street) | N. B. Howard, Esq.* | 5 | 0 8 | 152 | 26·6 | 26·00 | 183 | 141 |
| D | Colkirk Hall | J. T. Joice, Esq. | 5 | 1 0 | 210 | ... | 25·64 | 188 | 137 |
| D | Fakenham (Wells Road) | W. H. Fisher, Esq. | 5 | 2 0 | 9 | ... | 28·41 | 180 | 151 |
| | **2.—YARE. Bure & c. 368 sq. mi.** | | | | | | | | |
| d | BURLINGHAM (Horticultural Stn.) | Norfolk Education Com'tee | 5 | 1 0 | 89 | ... | 24·73 | ... | ... |
| D | SPROWSTON | Director, Norfolk Ag. Stn. | 5 | 1 0 | 93 | 25·7 | 26·17 | 195 | 141 |
| D | Horsham St. Faith Airfield | (+A) Meteorological Office | 5 | 1 0 | 99 | ... | 25·52 | 185 | 132 |
| D | Yarmouth (Ormesby St. Michael) | Great Yarmouth W.W. Co. | 8 | 1 0 | 22 | 26·2 | 27·59 | 188 | 154 |
| D | Horning (Pumping Station) | Great Yarmouth W.W. Co. | 8 | 1 0 | 9 | ... | 26·51 | 178 | 140 |
| D | Wroxham (Hoveton House) | Mrs. I. C. Blofeld | 5 | 1 4 | 100 | ... | 26·78 | 185 | 152 |
| D | Wroxham (Hoveton Home Farm) | T. R. C. Blofeld, Esq. | 5 | 0 9 | 32 | ... | 26·44 | 176 | 153 |
| d | Haynford (Grove Cottage) | J. C. Harrison, Esq. | 5 | 0 7 | 50 | ... | 27·09 | ... | ... |
| | Hevingham (Rippon Hall) | Rev. A. F. Marsham* | 5 | 0 7 | 90 | 26·4 | 26·01 | ... | ... |
| d | Wroxham (Barton Hall) | Lady Delia Peel | 5 | 0 8 | 25 | ... | 25·34 | ... | ... |
| | Hickling (Old Rectory) | Cmdr. P. Barlow, R.N.* | 5 | 1 0 | 10 | ... | 26·76 | ... | ... |
| D | Aylsham (Woodgate House) | Lt.-Col. P. W. Purdy* | 5 | 1 0 | 100 | ... | 26·71 | 186 | 147 |
| D | Worstead (Lyngate Cottage) | G. Cross, Esq. | 8 | 1 6 | 50 | 26·5 | 27·39 | 183 | 141 |
| D | Aylsham (The Mount) | Dr. C. L. Maingay | 5 | 1 0 | 90 | ... | 27·25 | 196 | 139 |
| D | Aylsham (Wilderness) | Mrs. J. Peed | 5 | 1 0 | 100 | ... | 29·04 | 200 | 155 |
| d | Aylsham (Mill House) | R. L. Rust, Esq. | 5 | 1 0 | 50 | ... | 27·40 | ... | ... |
| D | Blickling Rectory | J. W. Montgomery, Esq. | 5 | 1 2 | 90 | ... | 28·59 | 207 | 159 |
| D | Hindolveston (School House) | Headmaster | 5 | 1 0 | 212 | *28·2* | 29·63 | 191 | 150 |
| d | Erpingham (Wolterton Park) | Lord Walpole | 5 | 1 0 | 115 | ... | 30·03 | ... | 146 |
| D | Holt (Brinton Grange) | Sir Charles Bristow, C.I.E. | 5 | 0 7 | 140 | ... | 28·33 | 201 | 145 |
| | **3.—STIFFKEYS & C. 290 sq. mi.** | | | | | | | | |
| D | Sandringham House Gardens | Mr. H. Parsons | 5 | 1 6 | 121 | 26·4 | 25·38 | 185 | 139 |
| D | Fulmodestone School | E. H. Clements, Esq. | 5 | 1 0 | 214 | ... | 28·51 | 172 | 142 |
| d | Cromer (Northrepps Hall) | Lt.-Col. C. R. Gurney | 5 | 1 6 | 180 | 26·7 | 27·18 | ... | ... |
| D | Cromer (Holt Road) | Dr. Maurice Mottram | 5 | 1 0 | 175 | ... | 26·54 | 178 | 144 |
| D | CROMER (Howards Hill) | Clerk to the U.D.C. | 8 | 1 0 | 178 | 23·8 | 24·32 | 194 | 138 |
| | Cockthorpe (The Old House) | Rev. E. C. S. Upcher | 5 | 1 5 | 120 | ... | 24·77 | ... | ... |
| D | Burnham Market | Mrs. Buxton | 5 | 0 10 | 50 | ... | 24·64 | 185 | 144 |

* *Per* Norfolk Rainfall Organization.

## DIVISION IV—EASTERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1952 Rainfall | 1952 Days with ·01 in. or more | 1952 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | NORFOLK—(*contd.*). | | *in.* | *ft.* | *in.* *ft.* | *in.* | *in.* | | |
| | 3.—STIFFKEYS & C.—(*contd.*). | | | | | | | | |
| D | Burnham Market (School House) | A. E. Evans, Esq. | 5 | 1 | 0 50 | .. | 23·89 | 190 | 146 |
| | Sheringham Hall | Sir Henry Upcher | 5 | 0 | 9 135 | 23·6 | 25·34 | ... | ... |
| D | Sheringham (Pine Grove) | T. E. Ormond, Esq. | 5 | 1 | 0 70 | ... | 26·48 | 204 | 135 |
| D | Wells (Outfall Sewage Works) | Surveyor | 5 | 1 | 0 8 | ... | 24·04 | 202 | 138 |
| D | Wiveton (Glaven Corner) | Rev. Canon B. E. Foyster | 5 | 0 | 7 100 | ... | 28·08 | 202 | 154 |
| D | §HUNSTANTON | Advancement Association | 5 | 1 | 1 105 | ... | 20·32 | 172 | 116 |
| D | Holme-next-Sea (Holme House) | Mr. D. E. Plume | 5 | 1 | 0 10 | ... | 22·82 | 186 | 132 |
| | 4.—OUSE & C. 709 sq. mi. | | | | | | | | |
| D | Garboldisham Manor | A. W. Starling, Esq. | 8 | 1 | 0 70 | 23·2 | 26·27 | 195 | 150 |
| D | Thetford (Kilverstone Hall) | Baron Fisher of Kilverstone | 8 | 1 | 0 70 | 21·7 | 28·11 | 190 | 143 |
| D | Thetford (Waterworks) | C. A. Bunting, Esq. | 8 | 1 | 0 165 | 23·8 | 24·58 | 190 | 126 |
| D | Denton Lodge (Pumping Station) | Downham R.D.C. | 5 | 1 | 1 120 | ... | 26·21 | 201 | 147 |
| D | THETFORD (Lynford Hall) | Forestry Commission | 5 | 1 | 0 50 | ... | 25·70 | 189 | 126 |
| d | Attleborough (Breccles Hall) | J. E. Fitt, Esq. | 5 | 0 | 9 120 | ... | 24·37 | ... | ... |
| D | Denver Sluice | Great Ouse River Board | 5 | 1 | 7 10 | ... | 21·83 | 158 | 117 |
| D | Denver (Crow Hall) | R. Bennett, Esq. | 5 | 0 | 6 100 | ... | 23·61 | 222 | 132 |
| D | Downham (Dial House) | Messrs. T. H. Wenn & Co. | 5 | 1 | 1 50 | ... | 24·17 | 185 | 137 |
| D | Outwell (Well Creek Sluice) | G. McLeod, Esq., C.E. | 5 | 1 | 0 16 | 22·0 | 18·85 | 134 | 108 |
| d | Stow Bridge (Crabb's Abbey) | R. D. Carter, Esq. | 5 | 3 | 0 8 | ... | 21·71 | ... | ... |
| D | Swaffham (Saham Toney) | F. J. Faulkner, Esq. | 5 | 1 | 0 127 | ... | 26·19 | 182 | 141 |
| D | Swaffham (Brandon Road) | H. J. Gull, Esq. | 5 | 1 | 0 175 | ... | 27·66 | 170 | 139 |
| D | MARHAM Airfield | (+A) Meteorological Office | 5 | 1 | 0 76 | ... | 22·01 | 189 | 121 |
| D | Narborough Hall | F. H. Ash, Esq. | 5 | 1 | 0 45 | ... | 25·05 | 176 | 132 |
| d | Narborough (Narford Hall) | G. F. Attwood, Esq. | 5 | 1 | 0 50 | ... | 26·06 | ... | ... |
| D | Wiggenhall (St. Germans Sluice) | G. McLeod, Esq., C.E. | 5 | 1 | 0 9 | 23·1 | 21·39 | 143 | 115 |
| D | King's Lynn (North Runcton Lodge) | Capt. W. N. Gurney | 5 | 1 | 0 50 | ... | 23·03 | 178 | 135 |
| D | TERRINGTON ST. CLEMENT (E.H. Farm) | Director | 5 | 1 | 0 13 | ... | 20·49 | 169 | 114 |
| D | Terrington St. Clement (Sec. School) | H. W. Pooley, Esq. | 5 | 0 | 11 13 | ... | 20·46 | 176 | 116 |
| D | Gayton (Waterworks) | H. G. Ridler, Esq. | 5 | 1 | 0 131 | ... | 22·82 | 182 | 133 |
| D | King's Lynn (Manure Works) | W. J. R. Baxter, Esq. | 5 | 1 | 2 0 | ... | 21·37 | 178 | 122 |
| D | King's Lynn (Freebridge) | Great Ouse River Board | 5 | 2 | 0 15 | ... | 21·50 | 154 | 131 |

## DIVISION V—SOUTH-WESTERN COUNTIES

| | WILTSHIRE. (Area, 1,370 sq. mi.) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 1.—LOWER AVON. 383 sq. mi. | | | | | | | | |
| D | Upton Scudamore (Pumping Station) | Engineer & Manager | 5 | 1 | 0 305 | ... | 36·39 | 199 | 151 |
| D | Westbury (Penleigh House) | Lt.-Col. G. M. Atkinson | 5 | 1 | 0 220 | ... | 33·60 | 166 | 123 |
| D | Westbury (Wellhead) | Waterworks Engineer | 5 | 1 | 0 321 | ... | 34·03 | 189 | 138 |
| D | Westbury (Braemar) | Mrs. F. D. Richards | 5 | 1 | 0 250 | ... | 34·19 | 196 | 131 |
| D | Westbury (Secondary Mod. School) | B. A. S. Archibold, Esq. | 5 | 1 | 3 225 | ... | (32·49) | 175 | 123 |
| D | WEST LAVINGTON (Dauntsey's School) | Headmaster | 5 | 0 | 11 305 | ... | 31·75 | 173 | 129 |
| D | Little Cheverell House | Dr. T. W. Newton Dunn | 5 | 1 | 0 300 | ... | 32·19 | 174 | 139 |
| D | Market Lavington (Schoolhouse) | A. F. Burbridge, Esq. | 5 | 0 | 9 290 | 29·0 | 32·27 | 177 | 133 |
| D | Trowbridge (The Croft) | G. T. Meaden, Esq. | 5 | 1 | 0 158 | ... | 35·77 | 188 | 132 |
| D | Worton (The Grange) | M. K. Vickers, Esq. | 5 | 1 | 0 200 | ... | 31·16 | 179 | 138 |
| d | Bradford-on-Avon (Iford Manor) | The Viscount Esher, C.B.E. | 5 | 1 | 1 101 | ... | 36·39 | ... | 126 |
| d | Seend (Cleeve House) (R) | Head Gardener | 8 | 1 | 6 200 | 27·5 | 31·78 | ... | ... |
| D | Holt (The Elms) | A. V. H. Beaven, Esq. | 5 | 1 | 0 144 | 30·3 | 35·18 | 173 | 139 |
| D | Great Chalfield | Major R. F. Fuller | 5 | 1 | 2 165 | 28·6 | 36·20 | 198 | 140 |
| D | Melksham (Forest Road) | Mrs. G. Pothecary | 5 | 1 | 0 136 | ... | 34·36 | 186 | 138 |
| d | Bowood House | The Marquis of Lansdowne | 5 | 1 | 4 306 | ... | 34·18 | ... | ... |

§ Turf wall round gauge.

## DIVISION V—SOUTH-WESTERN COUNTIES—(*contd.*)

| | STATIONS | | AUTHORITIES | Rain-gauge: Diam. | Rain-gauge: Height of Rim above Ground | Rain-gauge: Height of Ground above Sea Level | Average Rainfall | 1952: Rainfall | 1952: Days with ·01 in. or more | 1952: Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|---|
| | WILTSHIRE—(*contd.*). | | | *in.* | *ft.* *in.* | *ft.* | *in.* | *in.* | | |
| | **1.—LOWER AVON.—(*contd.*).** | | | | | | | | | |
| D | Lacock (Lackham House) | | School of Agriculture | 5 | 1 0 | 160 | ... | 32·94 | 168 | 132 |
| d | Corsham (The Grove) | | G. S. Beaty, Esq. | 5 | 1 0 | 300 | ... | 36·74 | ... | ... |
| D | Calne (Castle Walk) | | G. G. Phillips, Esq. | 5 | 1 0 | 240 | *28·9* | 35·31 | 173 | 140 |
| D | Chippenham (Waterworks) | | Borough Surveyor | 5 | 1 2 | 144 | ... | 33·94 | 177 | 134 |
| D | Chippenham (Monkton Park) | | H. R. Coventry, Esq. | 5 | 1 7 | 200 | ... | 34·80 | 180 | 140 |
| D | Lyneham Airfield | (+A) | Meteorological Office | 5 | 0 11 | 455 | ... | 30·10 | 180 | 129 |
| D | Chippenham (Littleton Drew) | | J. D. Marriott, Esq. | 5 | 1 0 | 418 | ... | 31·84 | 163 | 122 |
| d | Wroughton (Basset Down House) | | Mrs. Arnold Forster | 5 | 1 0 | 500 | 29·8 | 32·09 | ... | ... |
| D | Tockenham Manor | | Major G. J. Buxton | 5 | 1 0 | 400 | ... | 31·44 | 174 | 144 |
| d | Malmesbury (Norton Manor) | | Major N. S. Wilson | 8 | 1 0 | 326 | ... | 34·37 | ... | ... |
| D | Malmesbury (Elm Leaze) | | Miss E. Milnes-Walker | 5 | 1 0 | 260 | ... | 33·21 | 161 | 124 |
| | **2.—STOUR. 33 sq. mi.** | | | | | | | | | |
| D | Mere (Charnage) | | W. G. B. White, Esq. | 5 | 1 6 | 426 | 33·8 | 37·41 | 164 | 142 |
| D | Stourhead | | H. P. R. Hoare, Esq. | 5 | 1 2 | 583 | 38·1 | 40·40 | 190 | 150 |
| | **3.—EAST AVON. 554 sq. mi.** | | | | | | | | | |
| D | Broad Chalke | | Dr. H. N. Burroughes | 5 | 4 1 | 362 | ... | 34·79 | 176 | 133 |
| D | Salisbury (Folkestone Road) | | M. A. Chaplin, Esq. | 5 | 1 0 | 200 | ... | 29·97 | 165 | 125 |
| D | Fonthill House Gardens | | Major J. G. Morrison, M.P. | 5 | 1 0 | 400 | 37·8 | 42·12 | 194 | 158 |
| D | Salisbury (Sewage Works) | (+A) | City Engineer | 8 | 1 0 | 147 | 29·7 | 30·46 | 172 | 125 |
| D | Salisbury (Manor Road) | | Miss L. C. D. Awdry | 5 | 1 0 | 250 | 29·2 | 34·25 | 204 | 129 |
| D | Salisbury (Atherton House) | | W. Fletcher, Esq. | 5 | 1 0 | 250 | 30·4 | 31·48 | 177 | 128 |
| D | Wilton (Stone Lodge) | | Major B. W. Parker | 5 | 1 6 | 175 | ... | 34·77 | 179 | 137 |
| D | Salisbury (Dinton) | | Mrs. Bovill | 5 | 1 2 | 300 | ... | 32·82 | 190 | 129 |
| D | Porton (C.D.E.E.) | (+A) | Superintendent Met. Dept. | 5 | 0 11 | 363 | 27·2 | 33·20 | 179 | 130 |
| D | Steeple Langford (Woodstock) | | Miss A. J. Powell | 5 | 1 0 | 257 | ... | 34·80 | 159 | 129 |
| d | Wylye (Fisherton de la Mere) | | Lt.-Col. F. N. Jeans | 5 | 0 10 | 350 | ... | 33·76 | ... | ... |
| d | Maiden Bradley House | | The Duke of Somerset | 5 | 1 0 | 620 | 38·4 | 40·70 | ... | 137 |
| D | Boscombe Down Airfield | (+A) | Meteorological Office | 8 | 1 0 | 417 | ... | 31·89 | 170 | 131 |
| d | Warminster (Crockerton P.S.) | | Warminster U.D.C. | 5 | 0 9 | 460 | ... | 38·06 | ... | ... |
| d | Warminster (Henford) | | Cmdr. V. J. Robinson, R.N. | 5 | 1 8 | 400 | ... | 33·29 | ... | ... |
| D | Larkhill (School of Artillery) | (+A) | Meteorological Office | 5 | 1 0 | 430 | 25·5 | 30·63 | 183 | 125 |
| D | Shrewton (Maddington) | | Miss V. L. Windsor | 5 | 0 9 | 285 | ... | 30·57 | 173 | 130 |
| d | Everleigh Rectory | | Rev. J. S. Macnutt | 5 | 1 3 | 590 | ... | 33·16 | ... | 125 |
| D | Woodborough (The Manor House) | | Brigadier N. C. Lang | 5 | 1 0 | 400 | ... | 30·36 | 169 | 140 |
| D | Pewsey (Oare) | | Miss F. M. Peall | 5 | 1 6 | 500 | ... | 30·73 | 194 | 138 |
| D | Bishops Cannings | | R. J. Combes, Esq. | 5 | 1 0 | 446 | 30·3 | 30·02 | 166 | 133 |
| | **4.—TEST. 77 sq. mi.** | | | | | | | | | |
| d | Whiteparish (Sarum Quarry) | | Agric. Contractors, Ltd. | 5 | 1 0 | 345 | ... | 31·64 | ... | ... |
| D | Ludgershall (Conholt Park) | | Miss H. M. Gaskell | 8 | 1 0 | 760 | 33·9 | 36·22 | 184 | 138 |
| | **5.—THAMES. Kennet. 169 sq. mi.** | | | | | | | | | |
| D | Bishops Cannings (Shepherds Shore) | | Devizes Gas & Water Dept. | 8 | 2 1 | 564 | ... | 32·63 ? | 186 | 142 |
| D | Marlborough College | | Headmaster | 5 | 1 1 | 424 | 31·1 | 33·90 | 185 | 134 |
| D | Aldbourne (Manor House) | | Capt. W. Brown, J.P. | 5 | 1 0 | 435 | 29·4 | 34·93 | 196 | 150 |
| | **6.—THAMES. Cole and c. 154 sq. mi.** | | | | | | | | | |
| D | Wroughton (Swindon Waterworks) | | J. Ackroyd, Esq., B.Sc., C.E. | 5 | 1 3 | 448 | ... | 30·31 | 171 | 132 |
| D | Chiseldon (Hodson House) | | A. Deadman, Esq. | 5 | 0 9 | 560 | 29·0 | 29·49 | 185 | 129 |
| D | Swindon (Osborne Street) | | H. Cook, Esq. | 5 | 1 0 | 322 | ... | 25·75 | 176 | 129 |
| D | Swindon (Town Gardens) | | J. Ackroyd, Esq., B.Sc., C.E. | 5 | 1 1 | 476 | 27·5 | 26·69 | 170 | 124 |
| d | Purton (Restrop House) | | Col. A. Canning | 5 | 1 3 | 444 | 27·7 | 28·56 | ... | 121 |

## DIVISION V—SOUTH-WESTERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1952 Rainfall | 1952 Days with ·01 in. or more | 1952 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **DORSET. (Area, 983 sq. mi.).** | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **1.—PARRETT. 61 sq. mi.** | | | | | | | | |
| D | Evershot (Melbury House) | Mr. W. G. Lee | 5 | 2 0 | 460 | 38·7 | 40·21 | 158 | 124 |
| D | Crewkerne (Chedington) | F. A. Highmore, Esq.* | 5 | 1 0 | 605 | ... | 36·05 | 176 | 127 |
| D | Sherborne (Sewage Disposal Works) | C. E. Bean, Esq. | 8 | 1 0 | 164 | ... | 32·96 | 165 | 124 |
| d | Sherborne (Seafield Cottage) | A. S. Arnold, Esq. | 5 | 1 4 | 212 | ... | 37·25 | ... | 139 |
| D | Sherborne (Barton Gardens) | C. E. Bean, Esq. | 8 | 1 0 | 285 | ... | 34·49 | 177 | 133 |
| | **2.—AXE. 25 sq. mi.** | | | | | | | | |
| d | Forde Abbey | G. D. Roper, Esq. | 5 | 0 10 | 200 | 37·7 | 38·47 | ... | 132 |
| | **3.—FROME & C. 501 sq. mi.** | | | | | | | | |
| d | Portland (Secondary Mod. School) | Headmaster | 5 | 0 9 | 300 | ... | (30·20) | ... | ... |
| D | Corfe Castle (Encombe) | The Hon. Sir Ernest Scott | 5 | 1 0 | 200 | ... | 35·67 | 155 | 133 |
| D | WEYMOUTH (Westham) | Town Clerk | 5 | 1 0 | 16 | 28·0 | 29·47 | 165 | 121 |
| D | Swanage (Panorama) | E. Horncastle, Esq. | 5 | 1 0 | 120 | ... | 31·12 | 157 | 118 |
| D | SWANAGE | Clerk to the U.D.C. | 5 | 1 0 | 14 | ... | 31·48 | 157 | 121 |
| D | Chickerell (Lower Putton) | A. H. White, Esq. | 5 | 1 0 | 45 | ... | 27·80 | 163 | 117 |
| D | Corfe Castle (Mortons House) | Lt.-Col. A. R. Bond | 5 | 1 6 | 100 | ... | 35·34 | 180 | 137 |
| D | Creech Grange | J. W. G. Bond, Esq., C.B. | 5 | 1 0 | 228 | 37·1 | 37·97 | 198 | 134 |
| D | Abbotsbury (West Street) | J. C. P. White, Esq. | 5 | 1 6 | 147 | 29·2 | 33·19 | 161 | 134 |
| d | Abbotsbury (West End) | The Earl of Ilchester | 8 | 1 6 | 100 | ... | 31·31 | ... | ... |
| D | Upwey (Friar Waddon) | Engineer and Surveyor | 5 | 1 0 | 215 | ... | 29·52 | 171 | 121 |
| D | Upwey (Higher Well) | Engineer and Surveyor | 8 | 1 0 | 289 | ... | 29·69 | 183 | 131 |
| D | Warmwell | Weymouth W.W. Co. | 5 | 1 0 | 134 | ... | 33·82 | 176 | 134 |
| D | Wareham (East Holme) | Miss L. S. Bond | 5 | 1 0 | 23 | 33·9 | 31·22 | 161 | 132 |
| D | Wareham (Binnegar Hall) | Mr. J. W. Hayward | 5 | 1 0 | 65 | 33·8 | 32·41 | 179 | 111 |
| D | Wareham (Trigon) | Mrs. L. Sturdy | 8 | 1 4 | 60 | 32·1 | 29·90 | 180 | 109 |
| d | Dorchester (Littlemayne) | E. R. Sykes, Esq. | 5 | 1 0 | 200 | ... | 37·01 | 173 | 150 |
| D | Burton Bradstock (White House) | Major J. M. Wratislaw | 5 | 1 0 | 40 | ... | 32·11 | 174 | 128 |
| D | Dorchester (South Court Avenue) | E. A. Sparks, Esq. | 5 | 1 0 | 220 | ... | 37·60 | 180 | 144 |
| D | Dorchester (Queen's Avenue) | H. I. Bond, Esq. | 5 | 1 2 | 240 | ... | 34·41 | 180 | 127 |
| D | Dorchester (Waterworks) | Borough Engineer | 8 | 1 0 | 312 | 36·6 | 37·62 | 183 | 137 |
| D | Dorchester (Stinsford) | J. Wyndham Hull, Esq. | 5 | 1 0 | 207 | 37·4 | 35·83 | 162 | 136 |
| D | Dorchester (Birkin House) | Mrs. Weber | 5 | 1 0 | 230 | 37·4 | 35·87 | 170 | 137 |
| D | Dorchester (Stratton Rectory) | J. R. Bazin, Esq. | 5 | 0 11 | 250 | ... | 36·78 | 176 | 131 |
| D | POOLE (+A) | Borough Council | 5 | 1 0 | 18 | ... | 30·59 | 169 | 119 |
| d | Poole (Pitwines Gasworks) | Southern Gas Board | 5 | 1 3 | 6 | ... | 29·51 | ... | ... |
| d | Poole (Henry Harbin School) | T. Johnson, Esq., B.Sc. | 5 | 1 0 | 20 | ... | 29·13 | ... | ... |
| D | Parkstone (Balmoral Road) | Miss M. M. Hall | 5 | 1 0 | 75 | ... | 32·67 | 168 | 109 |
| D | Branksome (Bourne Valley) | Southern Gas Board | 8 | 1 2 | 50 | 30·0 | 32·80 | 168 | 118 |
| D | Bournemouth (Alderney Reservoir) | Bournemouth Water Co. | 8 | 0 9 | 228 | ... | 31·53 | 169 | 124 |
| D | Lyme Regis (Penard) | Mrs. M. E. Peat | 5 | 1 0 | 83 | 33·2 | 36·08 | 175 | 135 |
| D | Bridport (Allington Park) | Bridport Waterworks Co. | 5 | 1 0 | 50 | ... | 39·84 | 184 | 145 |
| D | Bridport (Island View) | Bridport Waterworks Co. | 5 | 1 0 | 50 | 32·9 | 38·04 | 181 | 136 |
| D | Charmouth (Fishpond) | Dr. John L. Haughton | 5 | 0 9 | 730 | ... | 35·04 | 188 | 135 |
| D | Bridport (Shere) | W. A. Roberts, Esq. | 5 | 1 0 | 90 | ... | 35·03 | 164 | 130 |
| d | Bloxworth Heath (Research Nursery) | Forestry Commission | 5 | 1 0 | 80 | ... | 30·42 | ... | 111 |
| D | Bere Regis (Doddings) | Bedford & Jesty, Ltd. | 5 | 1 0 | 280 | ... | 30·47 | 160 | 124 |
| D | Tolpuddle (Manor House) | Mrs. B. Thorp | 5 | 1 0 | 150 | 32·9 | 32·57 | 172 | 132 |
| D | Puddletown Vicarage | Rev. Canon A. L. Helps | 5 | 4 0 | 200 | 35·8 | 36·28 | 178 | 135 |
| D | Lytchett Matravers (Kit Robins) | H. Blanchard, Esq. | 5 | 1 0 | 300 | ... | 29·71 | 170 | 120 |
| D | Wynford House | Mrs. Aldridge | 5 | 1 0 | 410 | 43·5 | 41·21 | 186 | 138 |
| D | Beaminster (East Street) | W. A. Stiby, Esq. | 5 | 1 0 | 183 | 37·6 | 42·47 | 181 | 139 |
| D | Minterne | Col. The Lord Digby, D.S.O. | 5 | 1 0 | 800 | ... | 38·21 | 193 | 146 |

**Per* Somerset River Board.

## DIVISION V—SOUTH-WESTERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Height of Rim above Ground | Height of Ground above Sea Level | Average Rainfall | 1952 Rainfall | Days with ·01 in. or more | Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | DORSET—(*contd.*). | | *in.* | *ft.* | *ft.* | *in.* | *in.* | | |
| | **4.—STOUR. 384 sq. mi.** | | | | | | | | |
| d | Lytchett Matravers School | Headmaster | 5 | 1 | 300 | ... | 30·55 | 160 | 117 |
| D | Broadstone (Grange Road) | R. Nimmo, Esq. | 5 | 1 | 160 | ... | 32·02 | 182 | 135 |
| D | Corfe Mullen (The Plantation) | A. J. Russell, Esq. | 8 | 1 | 300 | ... | 29·59 | 180 | 118 |
| D | Wimborne (Corfe Mullen W.W.) | Waterworks Engineer | 5 | 1 | 81 | 32·9 | 29·10 | 161 | 108 |
| D | Wimborne (Stapehill) | C. J. Marchant, Esq. | 5 | 1 | 95 | ... | 30·35 | 153 | 119 |
| D | Wimborne (Walsford Bridge P.S.) | Bournemouth Water Co. | 8 | 0 | 70 | ... | 30·67 | 158 | 114 |
| d | Colehill (Joldwynds) | Rev. Sir Paget Bowman | 5 | 0 | 400 | ... | 30·85 | ... | 109 |
| | Blandford (East Street) | R. Biddulph, Esq.* | 5 | 0 | 105 | ... | 32·03 | ... | ... |
| D | Blandford (King's Road) | D. Blanchard, Esq. | 5 | 1 | 195 | ... | 30·22 | 171 | 122 |
| D | Blandford (Bryanston) | Miss A. M. Jaques | 5 | 1 | 185 | ... | 33·04 | 164 | 127 |
| D | Blandford (Letton) | Mrs. Brownlow Stuart | 8 | 1 | 200 | ... | 31·88 | 162 | 119 |
| D | Glanvilles Wootton (Manor House) | H. B. Debenham, Esq. | 5 | 0 | 250 | 35·2 | 34·44 | 151 | 126 |
| D | Holwell (Little Westrow) | Miss H. A. Warry | 5 | 1 | 252 | 34·4 | 33·87 | 180 | 139 |
| D | Wimborne St. Giles (St. Giles House) | The Earl of Shaftesbury, K.P. | 5 | 1 | 165 | 33·4 | 33·27 | 165 | 124 |
| D | Sturminster Newton (Stock Gaylard) | Miss Blake | 5 | 1 | 350 | ... | 32·35 | 172 | 133 |
| D | Child Okeford Manor | J. H. L. Glasbrook, Esq. | 5 | 1 | 250 | ... | 33·67 | 172 | 131 |
| d | Stourton Caundle (The Burges) | R. M. Argles, Esq. | 5 | 0 | 250 | ... | 32·54 | ... | ... |
| | Ashmore (Old Rectory) | G. E. Howard, Esq. | 9 | 1 | 700 | ... | 36·05 | ... | ... |
| D | Stalbridge (Grove Cottage) | F. B. Harris, Esq. | 5 | 1 | 320 | ... | 34·49 | 200 | 148 |
| d | Woodyates (Cobley) | Mrs. A. S. Eastwood | 5 | 1 | 500 | ... | 37·02 | ... | 125 |
| D | SHAFTESBURY (C.E. School) | Headmaster, for M.O. | 5 | 1 | 722 | ... | 32·72 | 180 | 136 |
| D | Gillingham (Buckhorn Weston) | A. Cox, Esq. | 5 | 1 | 220 | ... | 32·67 | 161 | 137 |
| D | Gillingham (Malt House) | Col. The Lord Basing | 5 | 1 | 275 | ... | 34·72 | 176 | 140 |
| | **5.—EAST AVON. 12 sq. mi.** | | | | | | | | |
| | SOUTH DEVONSHIRE. (Area, 1,707 sq. mi.) | | | | | | | | |
| | **1.—PARRETT. 7 sq. mi.** | | | | | | | | |
| | **2.—TAMAR & C. 395 sq. mi.** | | | | | | | | |
| D | PLYMOUTH (MOUNT BATTEN) (+A) | Meteorological Office | 5 | 1 | 87 | ... | 38·74 | 181 | 139 |
| D | PLYMOUTH (THE HOE) | Corpn. (G. H. Ivory & Part.) | 8 | 1 | 117 | 36·7 | 39·06 | 188 | 145 |
| D | Plymouth (Drake's Reservoir) | N. G. Elliot, Esq., C.E. | 5 | 1 | 149 | 37·5 | 40·19 | 193 | 143 |
| D | Plymouth (Freedom Fields) | Corpn. (G. H. Ivory & Part.) | 5 | 1 | 208 | 39·4 | 40·39 | 189 | 148 |
| D | Plymouth (Hartley Reservoir) | N. G. Elliot, Esq., C.E. | 5 | 1 | 321 | 39·9 | 40·55 | 181 | 146 |
| D | Plympton (Little Woodford) | W. P. Cundy, Esq. | 5 | 1 | 80 | ... | 42·95 | 176 | 144 |
| D | Bickleigh (Roborough Reservoir) | N. G. Elliot, Esq., C.E. | 5 | 1 | 548 | 46·2 | 45·61 | 216 | 166 |
| D | Lee Moor House | R. Martin, Esq. | 8 | 1 | 900 | 62·4 | 56·93 | 203 | 178 |
| d | Roborough (Maristow Gardens) | W. H. Tottey, Esq. | 5 | 1 | 50 | ... | 48·73 | ... | ... |
| D | Sheepstor (Redstone) | N. G. Elliot, Esq., C.E. | 5 | 1 | 760 | 59·0 | 61·61 | 229 | 186 |
| D | Sheepstor (Burrator) | N. G. Elliot, Esq., C.E. | 5 | 1 | 755 | 59·1 | 62·24 | 228 | 186 |
| D | Sheepstor (Head Weir) | N. G. Elliot, Esq., C.E. | 5 | 1 | 730 | 57·0 | 58·99 | 227 | 183 |
| D | Dousland Reservoir | N. G. Elliot, Esq., C.E. | 5 | 1 | 714 | 51·8 | 52·86 | 206 | 169 |
| M | Dartmoor (Deancombe Farm) | N. G. Elliot, Esq., C.E. | 5 | 1 | 807 | ... | 65·76 | ... | ... |
| D | Yelverton (Yarrow-Dousland) | R. R. Brown, Esq. | 5 | 0 | 700 | ... | 53·76 | 228 | 171 |
| D | Yelverton (Uppaton) | Cmdr. J. P. Burton, R.N. | 5 | 1 | 605 | ... | 48·40 | 210 | 172 |
| D | Dartmoor (Lowery) | N. G. Elliot, Esq., C.E. | 5 | 1 | 899 | ... | 58·35 | 229 | 183 |
| M | Dartmoor (Leather Tor Farm) | N. G. Elliot, Esq., C.E. | 5 | 1 | 910 | 59·0 | 63·23 | ... | ... |
| M | Dartmoor (Siward's Cross) | N. G. Elliot, Esq., C.E. | 5 | 1 | 1074 | *69·7* | 75·57 | ... | ... |
| D | Horrabridge (Dostabrook) | Mrs. M. F. Corbin | 5 | 0 | 300 | ... | 48·26 | 196 | 166 |
| D | Whitchurch (Grenofen) | H. Chichester, Esq. | 5 | 1 | 325 | 46·1 | 47·48 | 216 | 172 |
| D | TAVISTOCK | T. H. Harris, Esq. | 5 | 1 | 457 | 47·6 | 46·03 | 202 | 161 |

* *Per* Somerset River Board.

## DIVISION V—SOUTH-WESTERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1952 Rainfall | 1952 Days with ·01 in. or more | 1952 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **SOUTH DEVONSHIRE—(*contd.*).** | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **2.—TAMAR & C.—(*contd.*).** | | | | | | | | |
| M | **Dartmoor (Double Waters)** | N. G. Elliot, Esq., C.E. | 5 | 1 0 | 1165 | 64·2 | 61·97 | ... | ... |
| D | Dartmouth (North Hessary Tor) | N. G. Elliot, Esq., C.E. | 5 | 1 0 | 1398 | ... | 65·72 | 221 | 184 |
| d | **North Brentor (Langstone)** | T. M. Lashbrook, Esq. | 5 | 1 0 | 800 | ... | 47·54 | ... | 163 |
| D | **Coryton Manor** | T. Newman, Esq. | 5 | 1 2 | 450 | 43·5 | 51·14 | 213 | 181 |
| D | **Werrington Park** | Mr. R. M. Gregory | 5 | 1 0 | 600 | ... | 45·54 | 212 | 171 |
| D | Sourton (Prewley Treatment Works) | K. J. Young, Esq.... | 5 | 1 0 | 1057 | ... | 61·18 | 218 | 178 |
| D | **Ashwater Rectory** | Rev. R. J. D. Newhouse | 5 | 1 0 | 480 | 42·6 | 51·68 | 204 | 174 |
| D | Holsworthy (Pyworthy Rectory) | Rev. E. P. James | 5 | 0 10 | 400 | ... | 47·61 | 226 | 181 |
| D | **Holsworthy (Bodmeyric)** | Miss A. D. Rogers | 5 | 0 11 | 476 | 42·3 | 51·35 | 225 | 195 |
| | **3.—ERM & C. 217 sq. mi.** | | | | | | | | |
| D | Holsworthy (N.A.A.S. Camp) | D. J. Harris, Esq. | 5 | 1 0 | 478 | ... | 54·65 | 217 | 182 |
| D | **Stoke Fleming (Windward)** | Miss E. L. Garrett | 5 | 1 0 | 380 | ... | 46·26 | 211 | 158 |
| D | **Yealmpton (Torr)** | Miss M. Wimbush | 5 | 1 9 | 100 | 35·5 | 43·80 | 202 | 158 |
| D | Yealmpton (Cross Park House) | Rev. Canon J. V. Yonge | 5 | 1 3 | 160 | ... | 43·61 | 214 | 163 |
| d | Loddiswell (Hazelwood House) | Captain W. G. Peek | 5 | 1 0 | 280 | ... | 48·58 | ... | ... |
| D | Wrangaton (Moorhaven Hospital) | Corpn. (G. H. Ivory & Part.) | 5 | 1 0 | 650 | 54·2 | 58·92 | 202 | 172 |
| D | South Brent (Badworthy) | Miss D. B. Latham... | 5 | 1 2 | 550 | 64·4 | 68·98 | 194 | 169 |
| D | South Brent (Didworthy Sanatorium) | Medical Officer* | 5 | 1 0 | 675 | ... | 67·03 | 220 | 167 |
| | **4.—DART. 197 sq. mi.** | | | | | | | | |
| D | **Dartmouth (Dean's Lodge)** | P. F. Summers, Esq. | 5 | 1 0 | 80 | ... | 44·48 | 191 | 148 |
| D | Dartmouth | Borough Engineer & Surveyor | 5 | 0 7 | 9 | ... | 43·08 | 204 | 145 |
| D | Brixham | Torbay Paint Co., Ltd. | 5 | 1 0 | 164 | ... | 39·85 | 183 | 142 |
| D | Brixham (Galmpton) | Dr. C. B. F. Tivy | 5 | 1 0 | 290 | ... | 46·05 | 184 | 144 |
| D | PAIGNTON (Victoria Park) | Town Clerk | 8 | 1 0 | 8 | ... | 40·63 | 194 | 155 |
| D | Totnes (Bridgetown) | W. J. Toope, Esq. | 5 | 1 3 | 45 | 41·8 | 46·41 | 175 | 150 |
| D | TOTNES (Dartington Hall) | Dartington Hall Trust | 5 | 1 0 | 100 | ... | 45·73 | 186 | 145 |
| D | Broadhempston (Sneydhurst) | H. S. Burbery, Esq. | 5 | 1 6 | 200 | ... | 42·09 | 194 | 146 |
| D | Ashburton (West Street) | W. T. Hannaford, Esq. | 5 | 1 0 | 236 | 51·7 | 55·47 | 190 | 150 |
| D | **Ashburton (Hele House)** | Rev. M. H. Needham | 5 | 0 7 | 350 | ... | 52·15 | 190 | 158 |
| d | Ashburton (Place) | Mrs. E. Heron Varwell | 5 | 0 8 | 400 | ... | 49·70 | ... | ... |
| D | Dartmoor (Fox Tor) | WaterEng'r.PaigntonU.D.C. | 5 | 1 7 | 1160 | ... | 69·11 | 227 | 176 |
| D | Dartmoor (Strane Valley) | WaterEng'r.PaigntonU.D.C. | 5 | 1 7 | 1180 | ... | 68·58 | 227 | 179 |
| D | Dartmoor (Swincombe) | WaterEng'r.PaigntonU.D.C. | 5 | 1 7 | 1047 | ... | 73·03 | 235 | 192 |
| D | PRINCETOWN (H.M. Prison) (+A) | Governor, for M.O. | 5 | 1 0 | 1359 | 81·9 | 78·07 | 227 | 189 |
| M | Princetown (Blackabrook Intake) | N. G. Elliot, Esq., C.E. | 5 | 1 0 | 1293 | ... | 68·97 | ... | ... |
| W | Dartmoor (Cowsic Valley) | N. G. Elliot, Esq., C.E. | 5 | 1 0 | 1323 | 76·7 | 75·36 | ... | ... |
| D | WIDECOMBE-IN-THE-MOOR | Miss O. Kitson | 5 | 1 0 | 1150 | ... | 60·18 | 220 | 175 |
| M | Dartmoor (Beardown Hill) | N. G. Elliot, Esq., C.E. | 5 | 1 0 | 1560 | ... | 85·48 | ... | ... |
| | **5.—TEIGN. 209 sq. mi.** | | | | | | | | |
| D | **Torquay (Higher Lincombe Road)** | G. N. Carleton-Stiff, Esq. | 5 | 1 0 | 260 | ... | 36·66 | 182 | 138 |
| D | TORQUAY (Abbey Park) | Borough Council | 5 | 1 0 | 27 | 33·0 | 37·73 | 176 | 145 |
| D | Torquay (Lydwell Court) | J. M. Hepburn, Esq. | 5 | 0 10 | 410 | ... | 39·22 | 199 | 145 |
| D | NEWTON ABBOT (Seale-Hayne College) | Principal | 5 | 1 0 | 272 | 34·7 | 40·13 | 182 | 142 |
| D | TEIGNMOUTH (Den Gardens) | G. F. Rossiter, Esq., B.Sc. | 8 | 1 0 | 20 | 31·8 | 34·68 | 181 | 140 |
| D | Teignmouth (Hazeldown Reservoir) | Engineer & Surveyor | 8 | 1 0 | 425 | 32·4 | 38·81 | 187 | 148 |
| D | Teignmouth (Shaldon Reservoir) | Engineer & Surveyor | 5 | 1 0 | 213 | 34·9 | 38·26 | 181 | 141 |
| D | Teignmouth (Landscore Reservoir) | Engineer & Surveyor | 8 | 1 0 | 132 | 33·2 | 37·52 | 189 | 142 |
| D | **Kingsteignton (Firleigh Road)** | M. B. B. Heath, Esq. | 6 | 1 0 | 130 | ... | 38·74 | 183 | 136 |

* *Per* Corpn. (G. H. Ivory & Part.)

## DIVISION V—SOUTH-WESTERN COUNTIES—(*contd.*)

| | STATIONS | | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1952 Rainfall | 1952 Days with ·01 in. or more | 1952 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|---|
| | SOUTH DEVONSHIRE—(*contd.*). | | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | 5.—TEIGN—(*contd.*). | | | | | | | | | |
| D | DAWLISH (The Lawn) ... ... | | ... Engineer & Surveyor ... | 5 | 1 0 | 18 | ... | 31·75 | 178 | 133 |
| D | Dawlish (Luscombe Castle) ... | | ... Peter Hoare, Esq. ... ... | 8 | 1 2 | 175 | 35·9 | 38·17 | 190 | 156 |
| D | Dawlish (Beach House) ... | | ... H. S. Marshall, Esq., O.B.E. | 5 | 1 0 | 80 | ... | 33·83 | 173 | 134 |
| D | Chudleigh (Scotleigh) ... ... | | ... J. P. Hepburn, Esq. ... | 5 | 1 3 | 280 | ... | 36·43 | 170 | 145 |
| D | Hennock (Hazelwood) ... | | ... R. P. Kitson, Esq. ... ... | 5 | 1 0 | 650 | ... | 42·04 | 186 | 146 |
| D | Lustleigh (Tottiford) ... ... | | ... Water Engineer, Torquay ... | 8 | 1 0 | 790 | ... | 43·64 | 287 | 163 |
| M | Chagford (Hurston Ridge) ... | | ... Water Engineer, Torquay ... | 5 | 1 0 | 1350 | ... | 75·59 | ... | ... |
| M | Chagford (White Ridge) ... | | ... Water Engineer, Torquay ... | 5 | 1 6 | 1650 | ... | 76·99 | ... | ... |
| D | Chagford (Metherall) ... ... | | ... Water Engineer, Torquay ... | 8 | 1 0 | 1150 | ... | 68·56 | 279 | 184 |
| M | Chagford (Thornworthy Down) | | ... Water Engineer, Torquay ... | 5 | 1 6 | 1250 | ... | 73·83 | ... | ... |
| M | Christow (Smithacott) ... ... | | ... Water Engineer, Torquay ... | 8 | 1 0 | 861 | 42·7 | 39·76 | ... | ... |
| M | Christow (Laployd) ... ... | | ... Water Engineer, Torquay ... | 5 | 1 6 | 1041 | 42·3 | 39·76 | ... | ... |
| D | Chagford (Thornworthy) ... | | ... Miss W. H. Varwell ... | 5 | 1 0 | 1150 | 59·6 | 64·28 | 219 | 168 |
| D | Chagford (Teignworthy) ... | | ... E. A. Courthope, Esq. ... | 5 | 1 0 | 1000 | ... | 58·30 | 222 | 177 |
| D | Chagford (Denshams) ... ... | | ... C. V. Somers Cocks, Esq. | 5 | 0 11 | 650 | ... | 54·68 | 222 | 163 |
| D | Drewsteignton (Newton Barton) | | ... C. A. St. George Moore Esq. | 5 | 1 0 | 700 | ... | 40·86 | 197 | 159 |
| | 6.—EXE. 445 sq. mi. | | | | | | | | | |
| D | EXMOUTH (Salterton Road) ... | (+A) | Engineer, U.D.C. ... ... | 5 | 1 0 | 195 | 28·6 | 31·81 | 177 | 138 |
| D | Exmouth (Filters, Capel Lane) | | ... Engineer, U.D.C. ... ... | 5 | 1 0 | 240 | 30·3 | 31·57 | 212 | 141 |
| D | STARCROSS ... ... ... | | ... Min. of Agric. & Fisheries | 5 | 1 0 | 29 | ... | 32·28 | 173 | 115 |
| D | Kenton (The Vicarage) ... | | ... Rev. K. E. Alexander ... | 5 | 1 0 | 100 | ... | 32·17 | 178 | 135 |
| d | Woodbury (Oakhayes) ... | | ... E. S. Chattock, Esq. ... | 5 | 1 0 | 200 | ... | 31·66 | ... | 133 |
| D | Shillingford Rectory ... ... | | ... Rev. C. L. O'Ferrall ... | 5 | 1 8 | 200 | ... | 33·32 | 173 | 136 |
| D | Exminster (Trood House) ... | | ... Lt.-Col. T. L. Ormiston ... | 5 | 1 11 | 75 | 32·9 | 34·07 | 175 | 145 |
| D | Exeter (Hatfield, Longdown) ... | | ... C. Holman, Esq. ... ... | 5 | 0 10 | 450 | 33·8 | 33·91 | 178 | 139 |
| D | Heavitree (Barrack Road) ... | | ... P. Glanville, Esq. ... ... | 5 | 1 0 | 155 | ... | 33·59 | 202 | 148 |
| D | Exeter (Heavitree) ... ... | | ... W. N. Lavis, Esq. ... ... | 5 | 1 0 | 112 | ... | 29·72 | 192 | 131 |
| d | Exeter (Devon and Exeter Institute) | | ... Librarian ... ... ... | 5 | 13 7 | 155 | ... | 28·82 | ... | ... |
| | Exeter (The Close) ... ... | | ... Rev. Canon D. McLaren ... | 5 | 1 7 | 120 | ... | 33·25 | ... | ... |
| D | EXETER Airport ... ... | (+A) | Meteorological Office ... | 5 | 1 0 | 106 | ... | 29·16 | 176 | 129 |
| d | Rockbeare Manor ... ... | | ... Mrs. D. M. Follett ... | 5 | 0 10 | 180 | 30·7 | 29·02 | 153 | 120 |
| D | Cheriton Bishop (Horslake) ... | | ... L. Collings-Wells, Esq. ... | 5 | 3 6 | 500 | 33·3 | 39·93 | 196 | 156 |
| M | Crediton (Haywards School) ... | | ... C. Luxton, Esq. ... ... | 5 | 1 0 | 190 | ... | 35·10 | ... | ... |
| D | Crediton (Okefield) ... ... | | ... Seymour F. Pope, Esq. ... | 5 | 1 0 | 325 | 32·2 | 35·81 | 201 | 160 |
| D | Copplestone (Coplestone House) | | ... Cmdr. W. Pope, R.N., D.S.O. | 5 | 0 9 | 315 | 34·4 | 38·99 | 208 | 169 |
| D | *Silverton (Parsonage Lane) ... | | ... A. G. Smale, Esq. ... | 5 | 4 6 | 300 | ... | 31·31 | 176 | 146 |
| D | Bradninch (Bowley Close) ... | | ... Miss H. R. Hepburn ... | 8 | 1 0 | 300 | 34·0 | 38·54 | 188 | 152 |
| D | CULLOMPTON ... ... ... | | ... Capt. N. T. Trezise, R.A. | 5 | 1 0 | 202 | 35·3 | 39·05 | 205 | 153 |
| D | Kentisbeare ... ... ... | | ... A. E. Painter, Esq. ... | 5 | 1 0 | 304 | 37·1 | 36·45 | 184 | 138 |
| D | Hemyock (Mountshayne) ... | | ... B. G. Clist, Esq., B.Sc. ... | 5 | 1 0 | 606 | ... | 42·48 | 190 | 151 |
| D | Tiverton (Halberton) ... ... | | ... Miss M. G. Izat ... ... | 5 | 1 6 | 300 | 40·8 | 36·54 | 194 | 145 |
| D | Tiverton (Cowley Lodge) ... | | ... E. G. Peirce, Esq. ... ... | 5 | 2 6 | 250 | 37·3 | 39·43 | 187 | 151 |
| D | Cullompton (Uffculme) ... | | ... F. C. Doidge, Esq. ... | 5 | 8 0 | 320 | ... | 38·62 | 183 | 145 |
| D | Culmstock (Woodgate Farm) | | ... T. Langdon Hine, Esq. ... | 5 | 1 0 | 550 | ... | 40·86 | 193 | 149 |
| d | Hemyock (Culm Davy House) | | ... Capt. F. R. Elmes, J.P. ... | 5 | 1 7 | 512 | ... | 40·23 | ... | ... |
| D | Morebath Manor ... ... | | ... Major F. R. Rothwell ... | 5 | 1 0 | 600 | 44·3 | 48·46 | 173 | 164 |
| | 7.—AXE & C. 237 sq. mi. | | | | | | | | | |
| D | Budleigh Salterton ... ... | | ... R. Jones-Bateman, Esq. ... | 5 | 1 0 | 370 | ... | 32·63 | 197 | 137 |
| W | Budleigh Salterton (Squabmoor) | | ... Engineer, Exmouth U.D.C. | 5 | 1 0 | 267 | ... | 30·78 | ... | ... |
| D | Exmouth (Squabmoor) ... | | ... J. H. F. Foster, Esq. ... | 5 | 1 0 | 450 | 31·9 | 33·25 | 173 | 143 |
| d | East Budleigh (Batstone Cottage) | | ... W. H. L. Hurman, Esq. ... | 5 | 1 0 | 65 | ... | 30·86 | 158 | 131 |

* Exposure unorthodox.

## DIVISION V—SOUTH-WESTERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Ground above Sea Level | Average Rainfall | 1952 Rainfall | 1952 Days with ·01 in. or more | 1952 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **SOUTH DEVONSHIRE—(*contd.*).** | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **7.—AXE. & C.—(*contd.*).** | | | | | | | | |
| D | EAST BUDLEIGH (Bicton Old Rectory) | Colonel O. M. Dyke | 5 | 1 0 | 64 | ... | 30·48 | 181 | 141 |
| W | East Budleigh (Yettington Intakes) | Engineer, Exmouth U.D.C. | 5 | 1 0 | 300 | 32·2 | 33·25 | ... | ... |
| D | East Budleigh (Bicton Gardens) | W. L. McCaskie, Esq. | 5 | 1 0 | 90 | 31·4 | 31·69 | 167 | 140 |
| D | SIDMOUTH | Borough Surveyor | 5 | 1 0 | 25 | ... | 32·85 | 160 | 146 |
| D | Sidmouth (Loretto) | S. Horsley, Esq. | 5 | 1 6 | 115 | ... | 32·77 | 175 | 143 |
| d | Beer (Windyridge) | J. G. Sargent, Esq. | 5 | 1 0 | 200 | ... | 35·81 | ... | 132 |
| D | Seaton (Marlpit Lane) | H. S. Stewart, Esq. | 5 | 1 0 | 150 | ... | 38·39 | 180 | 151 |
| D | Seaton (Millmead) | Vice-Admiral Sir F. Pridham | 5 | 0 8 | 35 | ... | 35·60 | 173 | 138 |
| D | Colyton (Colyford) | Mr. A. R. Forbes | 5 | 1 0 | 100 | ... | 39·73 | 176 | 143 |
| D | Ottery St. Mary (Broad Oak) | Miss Tallant | 5 | 1 2 | 300 | ... | 36·57 | 198 | 157 |
| D | Ottery St. Mary (Broad Street) | W. D. Badcock, Esq. | 5 | 1 0 | 170 | 36·3 | 38·13 | 179 | 144 |
| d | Ottery St. Mary (The King's School) | A. Crowther, Esq., M.A. | 5 | 1 0 | 175 | ... | 35·70 | ... | ... |
| D | Seaton Junction | Express Dairy Co. Ltd. | 5 | 1 7 | 114 | ... | 39·49 | 180 | 141 |
| D | Axminster (Gamberlake House) | Mrs. E. B. Bayley | 5 | 1 6 | 120 | ... | 40·00 | 190 | 143 |
| D | Hawkchurch (Castle House) | A. H. Noble, Esq. | 5 | 1 0 | 278 | ... | 38·99 | 175 | 140 |
| D | Honiton (Cotleigh House) | Major J. M. Salusbury-Trelawny, M.C. | 5 | 1 3 | 540 | ... | 48·40 | 205 | 165 |
| d | Stockland (The Knoll) | Dr. M. Stoker-Murdy | 5 | 0 8 | 300 | ... | 40·59 | ... | ... |
| | **NORTH DEVONSHIRE. (Area, 898 sq. mi.)** | | | | | | | | |
| | **1.—NORTH COAST STREAMS. 77 sq. mi.** | | | | | | | | |
| | Longstone Barrow | C. H. Archer, Esq. | 5 | 1 0 | 1550 | ... | 84·12 | ... | ... |
| D | Ilfracombe Reservoir | Urban District Council | 5 | 1 0 | 395 | 46·9 | 52·49 | 203 | 170 |
| D | ILFRACOMBE (Bowling Green) | Urban District Council | 5 | 1 0 | 25 | 37·4 | 45·33 | 200 | 149 |
| | **2.—TAW. 442 sq. mi.** | | | | | | | | |
| D | Bow (Rosehill) | Miss M. Pope | 5 | 1 0 | 400 | ... | 41·39 | 225 | 157 |
| D | North Tawton | K. J. Young, Esq. | 5 | 1 0 | 537 | ... | 39·57 | 190 | 148 |
| D | Morchard Bishop Rectory | Rev. H. J. A. Rusbridger | 5 | 1 0 | 560 | ... | 39·36 | 206 | 168 |
| D | Chulmleigh (Ashreigney Rectory) | Rev. R. Y. Holmes | 5 | 0 6 | 590 | ... | 44·98 | 199 | 164 |
| D | Chittlehampton (Stowford House) | T. R. M. Cardus, Esq. | 5 | 1 0 | 275 | ... | 44·67 | 213 | 173 |
| D | Bishops Tawton (Codden Hill) | E. F. Batten, Esq. | 5 | 0 11 | 400 | ... | 42·26 | 206 | 164 |
| D | Swimbridge (The Old Cyder House) | Capt. J. M. Brierley, M.B.E., | 5 | 1 0 | 450 | ... | 48·32 | 219 | 177 |
| D | West Buckland School | W. F. Dale, Esq., | 5 | 1 0 | 650 | ... | 52·15 | 206 | 176 |
| D | BARNSTAPLE (N. Devon Athenaeum) | Librarian | 8 | 1 0 | 25 | ... | 39·01 | 199 | 158 |
| D | CHIVENOR (+A) | Meteorological Office | 5 | 1 0 | 20 | ... | 40·23 | 210 | 165 |
| D | Goodleigh (Chelfham Mill) | Lt.-Cmdr. J. K. Elliot, R.N. | 5 | 0 11 | 145 | ... | 56·82 | 222 | 188 |
| D | Braunton (The Linhay) | J. E. Gladstone, Esq. | 5 | 1 0 | 70 | ... | 43·02 | 220 | 172 |
| D | Challacombe | Urban District Council | 5 | 1 0 | 851 | 62·8 | 77·75 | 229 | 201 |
| | **3.—TORRIDGE. 342 sq. mi.** | | | | | | | | |
| M | Dartmoor (Cranmere Pool) | E. J. Hain, Esq. | 5 | 1 0 | 1845 | ... | 77·38 | ... | ... |
| M | Dartmoor (Newbridge) | E. J. Hain, Esq. | 5 | 1 0 | 1500 | ... | 71·75 | ... | ... |
| D | Okehampton (Waterworks) | Borough Engineer | 5 | 1 0 | 860 | ... | 58·24 | 213 | 175 |
| D | Okehampton (Uplands) | Miss C. E. Burd | 5 | 1 0 | 700 | 51·4 | 57·60 | 225 | 171 |
| D | Beaworthy (Shebbear College) | E. F. Foss, Esq. | 5 | 1 0 | 540 | ... | 52·74 | 223 | 172 |
| d | Winkleigh (Places) | R. A. B. Coad, Esq. | 5 | 4 0 | 500 | ... | 44·14 | 181 | 153 |
| D | Torrington (Caynton House) | C. T. Davenport, Esq., M.A. | 5 | 1 0 | 278 | ... | 45·48 | 201 | 174 |

## DIVISION V—SOUTH-WESTERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1952 Rainfall | 1952 Days with ·01 in. or more | 1952 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **NORTH DEVONSHIRE—(*contd.*).** | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **3.—TORRIDGE—(*contd.*).** | | | | | | | | |
| D | Parkham (Melbury Reservoir) | A. Brewer, Esq. | 5 | 1 0 | 515 | 54·6 | 55·08 | 209 | 177 |
| D | Bideford (Jennett's Reservoir) | Borough Surveyor | 5 | 1 0 | 62 | 40·8 | 42·18 | 203 | 166 |
| D | Bideford (Gammaton Reservoir) | Borough Surveyor | 5 | 1 0 | 350 | ... | 42·60 | 200 | 167 |
| D | Northam (Windmill Lane) | S. Welsford Pain, Esq. | 5 | 1 0 | 200 | ... | 40·47 | 212 | 168 |
| D | Westward Ho! (Royal Golf Club) | Steward | 5 | 1 6 | 10 | 34·4 | 35·63 | 166 | 156 |
| | **4.—WEST COAST STREAMS. 32 sq. mi.** | | | | | | | | |
| D | Hartland (Fosfelle) | R. H. Cook, Esq. | 5 | 1 0 | 480 | 46·0 | 43·62 | 178 | 164 |
| D | Clovelly Court | Clovelly Estate Co. Ltd. | 5 | 0 9 | 300 | ... | 50·42 | 194 | 141 |
| D | HARTLAND POINT (Coastguard Stn.) | Station Officer, for M.O. | 5 | 1 0 | 299 | ... | 35·79 | 190 | 152 |
| | **5.—EXE. 5 sq. mi.** | | | | | | | | |
| | Kinsford Gate (Span Head) | C. H. Archer, Esq. | 5 | 1 0 | 1590 | ... | 84·60 | ... | ... |
| | **CORNWALL. (Area, 1,363 sq. mi.)** | | | | | | | | |
| | **1.—CAMEL & N.W. COAST STREAMS. 458 sq. mi.** | | | | | | | | |
| D | Crowan (Boswyn Reservoir) | Camborne Water Co. | 8 | 1 6 | 511 | 47·6 | 47·39 | 269 | 184 |
| D | Pendeen (Rose Valley) | W. R. Searle, Esq. | 8 | 1 0 | 384 | ... | 41·13 | 212 | 166 |
| | Lelant (Tregilly) | Capt. D. M. Stuart, D.S.C. | 5 | 1 0 | 100 | ... | 38·80 | 183 | 155 |
| D | Lelant (Trevethoe House) | Col. G. L. Tyringham | 5 | 1 4 | 100 | ... | 45·44 | 198 | 164 |
| D | Hayle (St. Erth) | St. Erth Creamery | 5 | 1 0 | 50 | ... | 39·84 | 203 | 152 |
| D | St. Ives (Halsetown Vicarage) | Rev. T. C. F. Barfett | 5 | 1 0 | 324 | ... | 43·31 | 219 | 170 |
| D | St. Ives (Bussow Moor) | Borough Surveyor | 5 | 1 0 | 390 | 48·6 | 41·22 | 203 | 162 |
| d | St. Agnes (Church Town) | Dr. Henry Whitworth | 5 | 1 0 | 318 | ... | 37·69 | ... | 160 |
| D | NEWQUAY (Mount Wise) No. 1 | Urban District Council | 5 | 1 0 | 182 | 33·2 | 34·13 | 201 | 149 |
| D | ST. EVAL Airfield (+A) | Meteorological Office | 5 | 1 0 | 345 | ... | 35·86 | 200 | 156 |
| D | Bodmin (Castle Hill House) | Major Hare | 5 | 0 8 | 484 | 49·4 | 47·40 | 217 | 168 |
| D | Wadebridge (Trevanson) | Miss A. T. Skilbeck | 5 | 1 2 | 200 | ... | 40·63 | 234 | 159 |
| D | Padstow (Cross Street) | J. W. V. Sheldon, Esq. | 5 | 1 0 | 80 | ... | 36·57 | 197 | 151 |
| d | Trevone (Pentonwarra) | W. M. Lindley, Esq. | 5 | 1 0 | 25 | ... | 32·22 | ... | ... |
| D | Trebetherick (Pendalen) | A. Griffiths, Esq. | 5 | 0 9 | 150 | ... | 36·73 | 218 | 157 |
| D | St. Minver (Trebetherick) | F. A. Nicks, Esq. | 8 | 1 0 | 160 | 32·0 | 32·39 | 203 | 152 |
| | St. Minver (Lundy Bay) | the late W. P. Adams, Esq. | 5 | 1 2 | 180 | ... | 37·22 | ... | ... |
| D | Camelford (Stannon Clay Works) | English China Clays, Ltd. | 8 | 2 0 | 850 | 54·8 | 60·52 | 225 | 193 |
| D | Camelford (Advent) | W. O. Martyn, Esq. | 5 | 1 0 | 890 | ... | 63·06 | 210 | 190 |
| d | Camelford (Roughtor View) | D. W. Bogle, Esq. | 5 | 1 0 | 700 | ... | 59·17 | ... | ... |
| D | Delabole | Delabole Slate Co., Ltd. | 5 | 1 6 | 650 | ... | 46·24 | 215 | 169 |
| D | Bossiney | Mrs. W. Stephens | 5 | 1 0 | 290 | ... | 38·39 | 203 | 167 |
| D | BUDE (School House) | Urban District Council | 5 | 1 0 | 50 | 33·4 | 38·03 | 206 | 165 |
| | **2.—FOWEY & S.E. COAST STREAMS. 620 sq. mi.** | | | | | | | | |
| D | Ruan Minor (Poltesco) | A. A. Ironside, Esq. | 5 | 1 0 | 120 | ... | 41·08 | 201 | 167 |
| D | Porthcurno | Cable & Wireless, Ltd. | 5 | 1 0 | 180 | 36·2 | 39·25 | 175 | 147 |
| D | Culdrose (R.N. Air Station) | Naval Weather Service | ... | ... ... | ... | ... | 37·14 | 173 | 148 |
| | Mawnan Smith | Brig.-Gen. W. D. Croft* | 5 | 0 9 | 205 | ... | 44·39 | ... | ... |
| | Sithney (Tregathenen Reservoir) | Helston & Porthleven W. Co. | 5 | 1 0 | 400 | ... | 42·63 | ... | ... |
| D | Wendron (Boderwennack) | Helston & Porthleven W. Co. | 5 | 1 0 | 458 | ... | 47·44 | 209 | 167 |
| D | Penzance (Trewidden) | Mrs. C. Williams | 5 | 1 0 | 275 | 43·2 | 48·55 | 180 | 169 |
| d | St. Michael's Mount | Lord St. Levan | 5 | 0 10 | 50 | ... | 34·81 | 189 | 159 |
| D | PENZANCE (Morrab Gardens) | Town Clerk | 5 | 1 0 | 55 | 40·9 | 43·67 | 229 | 170 |
| D | Penzance (Trengwainton House) | Col. E. H. W. Bolitho, C.B. | 8 | 1 0 | 400 | 46·4 | 47·81 | 210 | 167 |
| D | GULVAL (Experimental Station) | Cornwall A.E.C. | 5 | 1 0 | 20 | 41·5 | 38·09 | 202 | 158 |

* *Per* Cornwall Rainfall Association.

## DIVISION V—SOUTH-WESTERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1952 Rainfall | 1952 Days with ·01 in. or more | 1952 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | CORNWALL—(*contd.*). | | *in.* | *ft.* | *ft.* | *in.* | *in.* | | |
| | **2.—FOWEY & S.E. COAST STREAMS—(*contd.*).** | | | | | | | | |
| D | FALMOUTH OBSERVATORY | (+A) Royal Cornwall Poly. Soc. | 5 | 1 | 167 | 43·6 | 46·63 | 195 | 166 |
| D | Penryn Reservoirs | Falmouth Corpn. W.W. | 5 | 1 | 235 | ... | 43·79 | 186 | 148 |
| D | Penryn (Rame Cross) | W. G. Webb, Esq. | 5 | 1 | 679 | ... | 56·09 | 205 | 172 |
| D | St. Mawes (Lawn Bank) | J. Stanley-Verde, Esq. | 5 | 1 | 100 | ... | 40·34 | 186 | 154 |
| D | Devoran (Devoran House) | Rev. A. S. Rashleigh | 5 | 1 | 50 | ... | 45·80 | 207 | 158 |
| D | Gwennap (Trevince) | C. H. Beauchamp, Esq. | 10 | 1 | 240 | 45·5 | 49·78 | 217 | 167 |
| D | Truro (Tregolls) | the late Miss A. M. Rashleigh | 5 | 1 | 65 | 41·6 | 44·09 | 199 | 161 |
| D | Truro W.W. (Lower Tregurrow) | Manager | 5 | 1 | 50 | 42·2 | 43·94 | 198 | 154 |
| D | St. Stephen (Hendra Pumping Stn.) | St. Austell R.D.C. | 5 | 1 | 234 | ... | 47·40 | 214 | 174 |
| D | St. Austell (Poltair Public Gardens) | Engineer & Surveyor | 5 | 1 | 312 | ... | 49·15 | 213 | 177 |
| D | St. Austell (Trethurgy) | Lantern China Clay Co., Ltd. | 5 | 1 | 450 | ... | 52·21 | 219 | 180 |
| D | Lerryn (Lucastes) | H. T. Curtis, Esq. | 5 | 1 | 50 | ... | 43·36 | 200 | 151 |
| D | Looe (Polperro Road) | C. S. Hooper, Esq. | 5 | 1 | 410 | ... | 45·36 | 206 | 157 |
| D | East Looe | W. D. Clague, Esq. | 5 | 1 | 50 | ... | 40·50 | 190 | 154 |
| d | Downderry (The Watch House) | G. S. Sneyd, Esq. | 5 | 1 | 100 | ... | 41·13 | ... | 158 |
| D | Looe (Polteana) | W. C. Crowther, Esq., M.A. | 5 | 1 | 60 | ... | 46·06 | 192 | 156 |
| D | Liskeard (Penmilder) | Miss D. P. Foster | 5 | 1 | 250 | ... | 47·07 | 202 | 162 |
| D | Liskeard (Treventon) | E. R. Foster, Esq. | 5 | 1 | 360 | 47·7 | 54·98 | 216 | 168 |
| | **3.—TAMAR & C. 279 sq. mi.** | | | | | | | | |
| d | Newton Ferrers | Lady Diana Abdy | 8 | 1 | 375 | ... | 53·43 | ... | ... |
| D | §St. Mellion (ELLBRIDGE Exp. Stn.) | Horticultural Superintendent | 5 | 1 | 200 | ... | 45·32 | 199 | 161 |
| D | St. Mellion (Pentillie Castle) | Capt. J. G. Coryton | 5 | 1 | 150 | ... | 46·07 | 211 | 160 |
| | Launceston (North Hill) | H. Landrey, Esq.* | 5 | 1 | 2 475 | ... | 60·24 | ... | ... |
| D | Launceston (Bastreet, North Hill) | S. E. Cornwall Water Board | 5 | 1 | 6 800 | ... | 57·60 | 213 | 168 |
| D | Launceston (Landue) | Miss S. E. Tregoning | 5 | 0 | 11 225 | 42·5 | 44·08 | 211 | 166 |
| | Egloskerry (Tregeare) | Miss D. M. B. Lethbridge* | 5 | 1 | 10 513 | ... | 51·26 | ... | ... |
| D | North Tamerton (Davies) | W. S. Bray, Esq. | 5 | 3 | 9 390 | 35·9 | 40·99 | 212 | 179 |
| | **4.—INSULAR. Isles of Scilly. 6 sq. mi.** | | | | | | | | |
| D | ST. MARY'S (Coastguard Station) | Station Officer, for M.O. | 8 | 1 | 3 163 | 31·9 | 37·55 | 218 | 160 |
| D | Tresco Abbey | Major A. A. Dorrien Smith | 5 | 1 | 0 40 | 33·4 | 37·15 | 218 | 162 |
| M | Tresco (Rowesfield) | Major A. A. Dorrien Smith | 8 | 1 | 0 40 | ... | 37·72 | ... | ... |
| | SOMERSET. (Area, 1,624 sq. mi.) | | | | | | | | |
| | **1.—LOWER AVON. 294 sq. mi.** | | | | | | | | |
| D | Witham Friary (Gare Hill) | C. J. Smith, Esq. | 5 | 1 | 6 600 | ... | 42·98 | 189 | 151 |
| | Wanstrow (The Manor Cottage) | Sir George Ponsonby† | 5 | 1 | 0 465 | 37·7 | 44·53 | ... | ... |
| D | Shepton Mallet (Pondsmead) | Lady Hobhouse | 8 | 1 | 0 710 | 44·9 | 51·22 | 216 | 180 |
| D | Frome Waterworks (Egford) | B. H. Parkes, Esq. | 8 | 2 | 0 270 | 35·8 | 41·96 | 196 | 150 |
| d | Mells (The Manor House) | Mrs. K. Asquith | 5 | 1 | 0 390 | 37·2 | 44·53 | ... | ... |
| D | Binegar (Gurneyslade) | Bursar | 5 | 1 | 0 588 | 43·3 | 51·17 | 193 | 154 |
| D | Stratton-on-Fosse (Downside Abbey) | Bursar | 8 | 1 | 0 600 | 41·5 | 46·06 | 203 | 152 |
| D | Stratton-on-Fosse (Greystones) | R. Chivers, Esq. | 5 | 1 | 0 650 | ... | 46·32 | 202 | 153 |
| d | Orchardleigh Park | A. Duckworth, Esq. | 8 | 1 | 3 303 | 32·8 | 44·21 | ... | 141 |
| d | Chilcompton (Manor Farm) | R. F. Mattick, Esq. | 5 | 0 | 8 550 | ... | 49·48 | ... | ... |
| D | Radstock (Ammerdown House) | Mr. L. Sweeting | 5 | 0 | 9 450 | ... | 42·36 | 185 | 150 |
| D | Chewton Mendip (The Priory) | Earl Waldegrave | 5 | 1 | 0 580 | 42·7 | 48·43 | 168 | 141 |
| W | East Harptree (Pitt Farm) | R. W. M. Melvin, Esq. | 5 | 1 | 0 705 | 46·9 | 50·49 | ... | ... |
| D | Litton (Sherborne Reservoir) | (+A) R. W. M. Melvin, Esq. | 5 | 1 | 0 340 | 40·0 | 45·89 | 188 | 142 |
| W | Harptree Hill | R. W. M. Melvin, Esq. | 5 | 1 | 0 784 | 43·9 | 47·47 | ... | ... |

* *Per* Cornwall Rainfall Association. § Turf wall round gauge.
† *Per* Somerset River Board.

## DIVISION V—SOUTH-WESTERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge: Diam. | Rain-gauge: Height of Rim above Ground | Rain-gauge: Height of Ground above Sea Level | Average Rainfall | 1952: Rainfall | 1952: Days with ·01 in. or more | 1952: Days with ·04 in or more |
|---|---|---|---|---|---|---|---|---|---|
| | **SOMERSET—(*contd.*).** | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **1.—LOWER AVON—(*contd.*).** | | | | | | | | |
| D | East Harptree (Harptree House) | Lt.-Col. H. W. Kettlewell | 5 | 0 8 | 345 | 43·7 | 48·95 | 206 | 159 |
| W | East Harptree (Harptree Court) | R. W. M. Melvin, Esq. | 5 | 1 0 | 308 | 39·9 | 44·88 | ... | ... |
| D | East Harptree (Townsend Pumping Stn.) | Water Engineer | 5 | 1 6 | 220 | 39·8 | 45·33 | 186 | 148 |
| D | Hinton Blewett Manor | H. S. Russell, Esq. | 5 | 1 0 | 500 | 39·6 | 48·15 | 179 | 156 |
| W | North Widcombe | R. W. M. Melvin, Esq. | 5 | 1 0 | 215 | 36·0 | 40·57 | ... | ... |
| W | Chew Stoke (Heron's Green) | R. W. M. Melvin, Esq. | 5 | 1 0 | 179 | 36·2 | 39·27 | ... | ... |
| D | Pensford (Sutton Court) | Lord Strachie | 8 | 1 0 | 280 | 37·0 | 39·36 | 206 | 150 |
| d | Midford (Pumping Station) | Combe Down W.W. Co., Ltd. | 5 | 1 0 | 135 | ... | 38·61 | ... | 139 |
| W | Chew Stoke (Walley Court) | R. W. M. Melvin, Esq. | 5 | 1 0 | 202 | 35·5 | 39·80 | ... | ... |
| W | Ridgehill | R. W. M. Melvin, Esq. | 5 | 1 0 | 400 | 36·0 | 40·17 | ... | ... |
| D | Chew Magna | R. W. M. Melvin, Esq. | 5 | 1 0 | 180 | 36·3 | 38·04 | 191 | 151 |
| W | Winford (Upper Littleton) | R. W. M. Melvin, Esq., | 5 | 1 0 | 260 | 37·0 | 41·60 | ... | ... |
| W | Chew Magna (Norton) | R. W. M. Melvin, Esq. | 5 | 1 0 | 342 | ... | 39·24 | ... | ... |
| D | BATH (Henrietta Park) | Medical Officer of Health | 5 | 1 0 | 67 | 30·3 | 36·34 | 180 | 132 |
| D | Bath (Southstoke Road) | P. Hambleton, Esq. | 5 | 1 0 | 525 | ... | 36·34 | 189 | 142 |
| D | Bath (Monkton Combe) | W. G. Lock, Esq. | 5 | 1 0 | 450 | 30·3 | 34·22 | 177 | 140 |
| d | Bath (Isolation Hospital) | Medical Officer of Health | 5 | 1 0 | 520 | 32·8 | 31·84 | ... | 129 |
| D | Bath (Bathwick Grange) | G. R. Marsh, Esq. | 5 | 1 0 | 450 | ... | 35·98 | 181 | 132 |
| d | Bath (7, Bathwick Hill) | Rev. Preb. A. B. Burney, M.A. | 5 | 0 6 | 220 | ... | 36·03 | ... | 128 |
| D | Bath (Charlcombe) | Bath Corporation W.W. | 5 | 1 6 | 325 | 31·4 | 31·95 | 167 | 122 |
| D | Felton (St. Katherines Vicarage) | Rev. H. L. Franklin | 5 | 1 0 | 560 | ... | 36·74 | 173 | 137 |
| W | Felton (Upper Town) | R. W. M. Melvin, Esq. | 5 | 1 0 | 550 | 38·2 | 40·15 | ... | ... |
| D | Bath (Hamilton Road) | Miss J. Macnab | 5 | 1 6 | 500 | ... | 38·42 | 153 | 135 |
| d | Batheaston (Mumfords) | G. Lipscomb, Esq. | 5 | 1 2 | 200 | ... | 37·24 | ... | 126 |
| D | Batheaston Reservoir | Bath Corporation W.W. | 5 | 1 0 | 248 | 31·1 | 35·90 | 175 | 129 |
| d | Keynsham (Wellsway) | A. E. Stephens, Esq. | 8 | 1 0 | 134 | ... | 30·29 | ... | ... |
| D | ‖Keynsham (Somerdale) | J. S. Fry & Sons, Ltd. | 5 | 1 0 | 58 | 29·4 | 31·74 | 165 | 126 |
| D | Barrow Gurney Reservoir | R. W. M. Melvin, Esq. | 5 | 1 0 | 300 | 34·4 | 37·42 | 166 | 127 |
| | Lansdown | Bath Corporation W.W. | 5 | 1 0 | 380 | ... | 36·39 | ... | ... |
| D | Long Ashton (School House) | J. B. Randell, Esq. | 5 | 1 0 | 161 | ... | 40·85 | 200 | 149 |
| D | LONG ASHTON (Research Station) | Director | 8 | 1 0 | 162 | 34·1 | 38·35 | 184 | 127 |
| d | Failand House | H. G. Tanner, Esq. | 5 | 1 0 | 380 | 34·6 | 42·58 | ... | 126 |
| | **2.—YEO, AXE & BRUE. 405 sq. mi.** | | | | | | | | |
| D | Bruton (Great Down Cottage) | F. K. Makins, Esq. | 5 | 1 0 | 280 | ... | 34·90 | 181 | 140 |
| D | Bruton (South Brewham) | G. E. May, Esq.* | 5 | 1 0 | 350 | ... | 38·39 | 188 | 156 |
| D | Street (Low Level Reservoir) | Surveyor, U.D.C. | 5 | 1 0 | 100 | ... | 32·35 | 166 | 131 |
| D | Street (Hindhayes) | Bancroft Clark, Esq. | 5 | 1 6 | 78 | 28·8 | 31·54 | 190 | 136 |
| d | Street (Sewage Farm) | Surveyor U.D.C. | 5 | 1 0 | 18 | ... | 33·22 | ... | ... |
| D | Street (Millfield) | Bancroft Clark, Esq. | 5 | 1 1 | 100 | 28·8 | 33·91 | 184 | 144 |
| D | Ashcott (Bradley Cottage) | G. Thomson, Esq.* | 5 | 1 0 | 114 | ... | 30·77 | 184 | 134 |
| D | Edington | Major A. C. F. Luttrell | 5 | 1 6 | 90 | 31·2 | 34·46 | 194 | 146 |
| D | Bridgwater (R.O.F.) | Superintendent | 8 | 1 0 | 20 | ... | 33·90 | 183 | 133 |
| | †Cossington (Gold Corner) | H. Leeming, Esq.* | 5 | 1 0 | 12 | ... | 28·40 | ... | ... |
| D | Shepton Mallet (Charlton) | C. E. Burnell, Esq., J.P. | 5 | 1 0 | 481 | 38·8 | 45·96 | 208 | 166 |
| D | Shepton Mallet (Field House) | Sir Frederick Berryman | 5 | 1 0 | 500 | 38·6 | 47·50 | 206 | 155 |
| d | Shepton Mallet (Sewage Farm) | Surveyor, U.D.C. | 5 | 1 3 | 350 | 38·7 | 43·30 | ... | ... |
| D | Highbridge (Bason Bridge) | Wilts United Dairies | 5 | 1 0 | 17 | ... | 34·13 | 148 | 132 |
| | Highbridge (Mark) | Mr. R. J. Tewkesbury* | 5 | 1 0 | 19 | ... | 37·40 | ... | ... |
| d | Wells (Wookey Hole Paper Mills) | W.S. Hodgkinson & Co., Ltd. | 5 | 1 4 | 140 | 35·1 | 38·75 | ... | ... |
| d | Wookey Hole (Elm Batch) | W. Speed, Esq. | 5 | 0 10 | 238 | 36·1 | 43·96 | ... | ... |
| D | Burnham (Dunstan House) | Miss A. E. Smith-Spark | 5 | 1 0 | 20 | 29·1 | 36·05 | 184 | 144 |
| D | Burnham | Surveyor | 5 | 1 0 | 24 | 28·5 | 34·63 | 170 | 136 |

‖ Gauge sheltered. * *Per* Somerset River Board. † Gauge over-exposed.

## DIVISION V—SOUTH-WESTERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge: Diam. | Rain-gauge: Height of Rim above Ground | Rain-gauge: Height of Ground above Sea Level | Average Rainfall | 1952: Rain fall | 1952: Days with ·01 in. or more | 1952: Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | SOMERSET—(*contd.*). | | *in.* | *ft.* *in.* | *ft.* | *in.* | *in.* | | |
| | 2.—YEO, AXE & BRUE—(*contd.*). | | | | | | | | |
| D | Burnham (Berrow Road) | Miss M. Robinson | 5 | 1 0 | 10 | 29·2 | 34·10 | 164 | 136 |
| D | Cheddar (Pumping Station) | R. W. M. Melvin, Esq. | 5 | 1 0 | 50 | 33·6 | 38·04 | 174 | 145 |
| W | Charterhouse | R. W. M. Melvin, Esq. | 5 | 1 0 | 619 | 43·2 | 44·87 | ... | ... |
| | Winscombe (Bleadon) | G. C. Hutchings, Esq.* | 5 | 1 0 | 25 | ... | 36·18 | ... | ... |
| D | Winscombe (Mendip View) | C. Gibbins, Esq. | 5 | 1 0 | 100 | ... | 37·82 | 174 | 143 |
| M | Winscombe (Bore Hole) | Surveyor, Burnham U.D.C. | 5 | 1 0 | 56 | ... | 37·28 | ... | ... |
| W | Compton Martin | R. W. M. Melvin, Esq. | 5 | 1 0 | 276 | 39·2 | 43·84 | ... | ... |
| d | Winscombe (Sidcot School) | Headmaster | 5 | 1 0 | 250 | ... | 34·53 | ... | ... |
| W | Ubley (Rookery Farm) | R. W. M. Melvin, Esq. | 5 | 1 0 | 525 | 42·5 | 46·72 | ... | ... |
| D | Winscombe (Wintrath) | D. B. Grubb, Esq. | 5 | 1 0 | 290 | 35·8 | 37·96 | 169 | 141 |
| W | Blagdon Hill | R. W. M. Melvin, Esq. | 5 | 1 0 | 550 | 40·6 | 42·99 | ... | ... |
| D | Blagdon (Pumping Station) | R. W. M. Melvin, Esq. | 5 | 1 0 | 112 | 37·0 | 42·33 | 180 | 150 |
| D | WESTON-SUPER-MARE (Clarence Park) | Medical Officer of Health | 5 | 1 0 | 28 | 29·9 | 36·43 | 168 | 129 |
| D | Weston-super-Mare (Worlebury Park) | B.S.F. Hessey, Esq. | 5 | 1 0 | 386 | ... | 37·91 | 183 | 135 |
| D | Yatton (Pumping Station) | Long Ashton, R.D.C. | 5 | 0 10 | 18 | ... | 37·75 | 179 | 128 |
| | Yatton (Glentworth) | P. H. Hay, Esq. | 5 | 1 0 | 36 | ... | 37·60 | ... | ... |
| D | Yatton (Chelvey) | R. W. M. Melvin, Esq. | 5 | 1 0 | 60 | 32·5 | 36·84 | 183 | 133 |
| D | West Town | Theodore Robinson, Esq. | 5 | 2 0 | 80 | 31·9 | 36·58 | 182 | 132 |
| D | Clevedon W.W. (Tickenham Road) | Clevedon Water Co. | 5 | 1 6 | 50 | 31·2 | 35·44 | 160 | 132 |
| D | Wraxall Court | Head Gardener | 5 | 0 10 | 200 | ... | 37·21 | 167 | 128 |
| D | Walton-in-Gordano | Lt.-Col. Sir Chas. Miles, Bt. | 5 | 0 9 | 80 | ... | 35·82 | 188 | 134 |
| d | Portishead (Bristol Road) | C. J. Ball, Esq. | 5 | 1 0 | 20 | 34·9 | 37·10 | ... | 131 |
| d | Portishead (Redcliffe Bay) | R. A. S. Heaven, Esq. | 5 | 1 0 | 180 | ... | 36·95 | ... | ... |
| | 3.—PARRETT. 568 sq. mi. | | | | | | | | |
| D | Chard (Fairlawn) | A. Austin, Esq., F.R.Met.S. | 5 | 1 0 | 373 | ... | 41·02 | 180 | 143 |
| D | Misterton | Miss M. D. Bindley | 5 | 1 0 | 300 | ... | 40·62 | 197 | 137 |
| d | Crewkerne (The Reservoir) | Surveyor | 8 | 1 0 | 426 | 33·7 | 39·04 | ... | 128 |
| D | Crewkerne (Bincombe House) | Major R. A. Russell, T.D. | 5 | 1 2 | 293 | 34·7 | 37·74 | 170 | 130 |
| D | Yeovil (Grass Royal School) | Headmaster | 5 | 1 0 | 200 | ... | 30·61 | 154 | 126 |
| D | Yeovil (Pen Mill Sewage Works) | Senior Sanitary Inspector | 5 | 1 5 | 102 | 30·6 | 33·98 | 162 | 134 |
| d | Yeovil (Summerleaze Park School) | F. R. G. Steer, Esq. | 5 | 0 7 | 175 | ... | 30·40 | ... | ... |
| D | Norton-sub-Hamdon (Fruit Farm) | Lt.-Comdr. W. E. Halsey | 5 | 1 0 | 126 | ... | 32·27 | 182 | 130 |
| D | Pitminster (Blagdon Hill) | R. B. A. Hankey, Esq. | 5 | 0 10 | 650 | ... | 47·45 | 210 | 150 |
| D | Angersleigh (Leigh Reservoir) | Taunton Waterworks | 5 | 1 0 | 530 | ... | 43·05 | 186 | 146 |
| | Compton Durville (Waterworks) | Langport R.D.C.* | 5 | 1 0 | 60 | ... | 34·27 | ... | ... |
| D | Bickenhall (Forest Drove) | A. H. Turner, Esq. | 5 | 1 10 | 250 | ... | 39·84 | 193 | 142 |
| d | Sampford Arundel (Sandfield) | Capt. S. G. Williams | 5 | 1 0 | 413 | ... | 40·84 | 193 | 147 |
| D | Ashbrittle (Kyrle) | Major J. H. Mathias | 5 | 0 9 | 525 | ... | 40·34 | 210 | 158 |
| D | †Martock (The Grange) | G. E. Barron, Esq. | 5 | 0 9 | 60 | 29·6 | 30·19 | 165 | 129 |
| | Wellington (West Buckland) | D. R. Chappell, Esq. | 5 | 1 0 | 200 | ... | 34·75 | ... | ... |
| D | Rimpton (Pound House) | Miss A. A. Gegg* | 5 | 1 0 | 140 | ... | 34·83 | 191 | 126 |
| D | Taunton (Vivary Park) | Medical Officer of Health | 5 | 1 0 | 71 | 29·5 | 32·93 | 188 | 134 |
| d | Taunton (Ashley Road) | The Rt. Rev. Bishop R. D. Acland | 5 | 1 0 | 75 | ... | 34·01 | 173 | 139 |
| | Queen Camel (England's Side) | Mrs. V. M. Brendon* | 5 | 1 0 | 100 | ... | 35·33 | ... | ... |
| d | Taunton (St. George's Rectory) | Canon R. A. Iles | 5 | 0 7 | 90 | ... | 32·28 | ... | ... |
| | Taunton | Miss M. G. Colthurst* | 5 | 0 8 | 55 | ... | 30·62 | ... | ... |
| D | Milverton (Olands Cottage) | Miss E. R. Broadmead | 5 | 1 6 | 330 | ... | 40·32 | 180 | 145 |
| D | Milverton (Spring Grove) | T. Lownds, Esq. | 5 | 1 0 | 640 | 36·7 | 44·51 | 193 | 142 |
| | Langport (Drayton) | E. Dabinett, Esq.* | 5 | 1 0 | 46 | ... | 31·36 | ... | ... |
| D | Milverton (Rivers Farm) | A. Wimbush, Esq. | 5 | 1 0 | 300 | ... | 38·19 | 197 | 148 |
| d | Wiveliscombe (Culverhead) | Lt.-Col. H. Jefferys-Taylor | 5 | 1 6 | 450 | 39·6 | 45·08 | ... | 149 |
| D | Wiveliscombe (Bournes) | G. B. Synge, Esq. | 5 | 1 0 | 350 | ... | 45·56 | 199 | 156 |

* *Per* Somerset River Board.

† Formerly at the Vicarage 120 yards west.

## DIVISION V—SOUTH-WESTERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Height of Rim above Ground | Height of Ground above Sea Level | Average Rainfall | 1952 Rainfall | Days with ·01 in. or more | Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **SOMERSET—(*contd.*).** | | *in.* | *ft.* *in.* | *ft.* | *in.* | *in.* | | |
| | **3.—PARRETT—(*contd.*).** | | | | | | | | |
| D | Langport (The Grange) ... ... | Miss V. M. Page ... ... | 5 | 1 0 | 50 | ... | 29·61 | 171 | 133 |
| D | Langport (County School) ... ... | Headmaster ... ... ... | 5 | 1 0 | 65 | ... | 30·21 | 176 | 131 |
| D | North Cadbury ... ... ... | H. R. Watson, Esq. ... | 5 | 1 0 | 240 | ... | 41·79 | 199 | 155 |
| D | Somerton (Erleigh) ... ... ... | A. R. E. Pretor-Pinney, Esq.* | 5 | 1 0 | 106 | ... | 32·94 | 177 | 133 |
| D | Wiveliscombe (Bulland Lodge) ... | Air V.-M. A. J. Capel, C.B. | 5 | 1 1 | 790 | ... | 48·68 | 205 | 166 |
| D | Bishop's Lydeard (Ash Priors) ... | H. Ross, Esq. ... ... | 5 | 0 9 | 169 | ... | 37·93 | 203 | 156 |
| D | Kingston St. Mary (St. Mary's Cottage) | Mrs. Shattock ... ... | 5 | 1 0 | 230 | ... | 37·24 | 190 | 154 |
| D | Bishop's Lydeard (Watts House) ... | Agent to Trustees ... ... | 5 | 1 0 | 320 | ... | 35·50 | 176 | 148 |
| | Babcary (The Cedars) ... ... ... | D. R. May, Esq.* ... ... | 5 | 1 0 | 150 | ... | 33·44 | ... | ... |
| | West Sedgemoor (Pumping Station) ... | Somerset River Board ... | 5 | 1 0 | 25 | ... | 29·21 | ... | ... |
| d | Taunton (East Lyng) ... ... ... | J. T. Ames, Esq. ... ... | 5 | 1 0 | 43 | ... | 31·01 | ... | 129 |
| D | §Clatworthy (Whites Farm) ... ... | Taunton Waterworks ... | 5 | 1 0 | 823 | ... | 49·09 | 192 | 157 |
| M | §Clatworthy (Stoford Farm) ... ... | Taunton Waterworks ... | 5 | 1 0 | 1090 | ... | 53·89 | ... | ... |
| M | §Clatworthy (Sedgeborough Farm) ... | Taunton Waterworks ... | 5 | 1 0 | 1078 | ... | 50·10 | ... | ... |
| | Castle Cary ... ... ... ... | W. Davis, Esq.* ... ... | 5 | 1 0 | 290 | ... | 36·23 | ... | ... |
| D | Bagborough (Littlecourt) ... ... | Lt-Gen. Sir Ed. Wetherall | 5 | 0 10 | 450 | ... | 37·70 | 174 | 142 |
| D | Bridgwater (Northmoor P.S.) (+A) | V. H. Bawdon, Esq.* ... | 5 | 1 0 | 23 | ... | 29·98 | 182 | 132 |
| | Bridgwater (Enmore) ... ... ... | Capt. H. H. Broadmead* ... | ... | ... ... | 200 | ... | 33·55 | ... | ... |
| D | Bridgwater (Durleigh) ... ... ... | R. A. Watson, Esq. ... | 8 | 1 0 | 46 | 29·8 | 31·85 | 181 | 132 |
| D | Bridgwater (Blake Gardens) ... ... | R. A. Watson, Esq. ... | 5 | 3 1 | 27 | 28·5 | 33·52 | 180 | 149 |
| d | Bridgwater (Wembdon Hill) ... ... | Mrs. M. L. Colthurst* ... | 5 | 1 0 | 110 | ... | 30·62 | 180 | 134 |
| D | Bridgwater (Blacklands Street) ... | N. S. Bailey, Esq. ... ... | 5 | 1 0 | 18 | ... | 31·84 | 186 | 136 |
| D | Bridgwater (Wembdon) ... ... | E. L. Kelting, Esq., C.E.* ... | 5 | 1 0 | 47 | ... | 31·73 | 174 | 127 |
| D | Over Stowey (Plainsfield) ... ... | Lord St. Audries ... ... | 5 | 0 10 | 400 | ... | 35·76 | 199 | 153 |
| | Spaxton (Dore House) ... ... | Dr. G. L. Lyon-Smith ... | 5 | 0 9 | 176 | ... | 39·46 | ... | ... |
| | Crowcombe (Quantock Farm) ... | Somerset River Board ... | 5 | 1 0 | 1000 | ... | 39·57 | ... | ... |
| D | Cannington (Ashford Waterworks) ... | R. A. Watson, Esq. ... | 5 | 1 1 | 102 | 31·4 | 34·83 | 170 | 135 |
| D | Over Stowey ... ... ... ... | H. L. Butt, Esq. ... ... | 5 | 1 0 | 550 | ... | 41·94 | 210 | 156 |
| D | Nether Stowey (Old House) ... ... | Lord St. Audries ... ... | 5 | 0 9 | 250 | ... | 39·16 | 199 | 146 |
| D | CANNINGTON (Somerset Farm Inst.) ... | Principal ... ... ... | 5 | 1 0 | 95 | ... | 31·63 | 182 | 128 |
| | Bridgwater (Fiddington) ... ... | J. M. Lee, Esq.* ... ... | 5 | 1 0 | 100 | ... | 38·93 | ... | ... |
| | **4.—NORTH COAST STREAMS. 158 sq. mi.** | | | | | | | | |
| d | Treborough (Swinhayes Farm) ... | Major R. A. Archer ... | 5 | 1 0 | 1150 | ... | 55·17 | ... | ... |
| | Treborough (Withiel Hill) ... ... | Major R. A. Archer ... | 5 | 1 0 | 1275 | ... | 56·85 | ... | ... |
| | Timberscombe (Croydon Hill) ... | Major R. A. Archer ... | 5 | 1 0 | 1175 | ... | 54·26 | ... | ... |
| d | Bicknoller (Weacombe House) ... | W. T. Greswell, Esq. ... | 5 | 1 6 | 300 | ... | 42·75 | ... | ... |
| D | Dodington ... ... ... ... | W. Stone, Esq.* ... ... | 5 | 1 0 | 330 | ... | 40·19 | 196 | 154 |
| | Holford ... ... ... ... ... | E. L. Kelting, Esq.* ... | 5 | 1 0 | 350 | ... | 37·13 | ... | ... |
| D | Kilve Court ... ... ... ... | Mrs. Cooke-Hurle ... ... | 5 | 1 0 | 150 | 30·0 | 35·50 | 171 | 138 |
| d | Kilve (Corner Close) ... ... ... | Major H. J. Cann ... ... | 5 | 0 9 | 350 | ... | 39·70 | ... | 136 |
| D | East Quantoxhead (The Rectory) ... | Mrs. F. L. Aldridge ... | 5 | 1 0 | 130 | ... | 37·13 | 177 | 149 |
| D | Watchet (Chapel Cleeve) ... ... | G. S. Lysaght, Esq. ... | 5 | ... ... | 90 | ... | 35·77 | 197 | 148 |
| D | Stogursey (Fairfield House) ... ... | Lord St. Audries ... ... | 8 | 1 0 | 150 | 31·1 | 36·47 | 189 | 147 |
| | Goosemoor (West Dunkery) ... ... | C. H. Archer, Esq. ... | 5 | 1 0 | 1581 | ... | 72·29 | ... | ... |
| | Dunkery Beacon ... ... ... | C. H. Archer, Esq. ... | 5 | 1 0 | 1650 | ... | 71·75 | ... | ... |
| D | WOOTTON COURTENAY (Ford Cott.) (+A) | C. H. Archer, Esq. ... | 5 | 1 0 | 486 | ... | 53·48 | 212 | 163 |
| D | Carhampton (The Croft) ... ... | E. W. Darby, Esq. ... ... | 5 | 1 0 | 100 | ... | 40·14 | 210 | 163 |
| D | Dunster Castle Gardens ... ... | Mr. C. Heritage ... ... | 8 | 1 0 | 100 | ... | 41·15 | 241 | 157 |
| D | Dunster (County School) ... ... | J. H. Powles, Esq. ... ... | 5 | 1 0 | 160 | 32·2 | 43·36 | 183 | 156 |
| d | Porlock (Hacketty Way) ... ... | H. K. Reeves, Esq. ... | 5 | 1 0 | 200 | ... | 45·94 | ... | ... |
| D | Stolford (Whitewick Farm) ... ... | C. Mackenzie, Esq.... ... | 5 | 0 9 | 10 | ... | 34·99 | 193 | 136 |
| D | Minehead (Blenheim Gardens) (+A) | Engineer & Surveyor ... | 5 | 1 0 | 37 | 33·4 | 38·30 | 199 | 150 |
| d | Minehead (Weirfield) ... ... | Rev. Canon A. G. Robinson | 5 | 1 5 | 110 | ... | 35·32 | ... | ... |
| d | Porlock Weir ... ... ... | E. Percival, Esq. ... ... | 5 | 1 6 | 50 | 42·7 | 49·18 | ... | ... |

* *Per* Somerset River Board. § Turf wall round gauge.

## DIVISION V—SOUTH-WESTERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1952 Rainfall | 1952 Days with ·01 in. or more | 1952 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | SOMERSET—(*contd.*). | | *in.* | *ft.* *in.* | *ft.* | *in.* | *in.* | | |
| | **5.—EXE. 122 sq. mi.** | | | | | | | | |
| | Brushford Nurseries | Mr. G. Ruff | 5 | 1 0 | 450 | 43·8 | 48·71 | 201 | 180 |
| D | East Anstey (Dassels) | Major F. R. Farquhar | 5 | 1 0 | 850 | ... | 53·65 | 214 | 171 |
| D | Winsford | Capt. R. S. Le Bas | 5 | 1 0 | 620 | 54·3 | 57·75 | 210 | 171 |
| D | Winsford (Howtown House) | W. H. Hawker, Esq. | 5 | 1 6 | 700 | ... | 57·73 | 207 | 166 |
| | Kinsford Gate (Quarry) | C. H. Archer, Esq. | 5 | 1 0 | 1500 | ... | 84·79 | ... | ... |
| D | Exford (Lower Thorne) | Miss C. Reed | 5 | 0 7 | 1000 | ... | 68·33 | 198 | 174 |
| D | Simonsbath (Honeymead) | B. N. Waley-Cohen, Esq. | 5 | 1 0 | 1250 | ... | 74·01 | 219 | 185 |
| | **6.—AXE. 42 sq. mi.** | | | | | | | | |
| D | Wayford Manor | H. L. P. Baker, Esq. | 5 | 0 10 | 425 | ... | 38·83 | 173 | 136 |
| d | Cricket St. Thomas | Mr. G. A. Wakefield | 5 | 1 0 | 444 | 39·3 | 40·66 | ... | ... |
| | **7.—STOUR. 35 sq. mi.** | | | | | | | | |
| D | Church Stanton (Otterhead) | Water Engineer, Taunton | 5 | 1 0 | 819 | ... | 48·19 | 205 | 156 |
| | Henstridge | Mr. P. Parsons* | 5 | 1 1 | 256 | ... | 33·03 | ... | ... |

## DIVISION VI—WEST MIDLAND COUNTIES

| | GLOUCESTERSHIRE. (Area, 1,237 sq. mi.) | | *in.* | *ft.* *in.* | *ft.* | *in.* | *in.* | | |
|---|---|---|---|---|---|---|---|---|---|
| | **1.—WYE. 50 sq. mi.** | | | | | | | | |
| D | St. Briavels (Wyeside) | Major H. J. Le Mare | 5 | 1 0 | 450 | ... | 39·27 | 172 | 127 |
| D | St. Briavels (Woodlands) | F. J. Pryce-Jenkin, Esq. | 5 | 1 0 | 250 | ... | 39·07 | 161 | 132 |
| | Redbrook (Hill Crest) | S. Horton, Esq. | 5 | 0 9 | 81 | ... | 33·17 | ... | ... |
| D | Redbrook (Pumping Station) | C. W. D. Ward, Esq. | 5 | 1 0 | 220 | ... | 35·81 | 176 | 132 |
| d | Forest of Dean (Reddings Lodge) | Forestry Commission | 8 | 1 3 | 650 | ... | 33·88 | 173 | 134 |
| | **2.—SEVERN. Right Bank Tributaries. 185 sq. mi.** | | | | | | | | |
| d | Forest of Dean (Blakeney Hill Lodge) | Forestry Commission | 8 | 1 6 | 450 | 31·6 | 35·03 | ... | ... |
| D | Forest of Dean (PARKEND) | Forestry Commission | 8 | 1 0 | 325 | ... | 39·17 | 180 | 136 |
| D | §Coleford (Cannop Colliery) | Manager | 5 | 1 0 | 330 | ... | 36·64 | 180 | 130 |
| d | Forest of Dean (Edgehills Lodge) | Forestry Commission | 8 | 1 0 | 915 | ... | 32·83 | ... | ... |
| D | Newent (Taynton) | M. Philips Price, Esq. | 5 | 1 0 | 60 | 29·3 | 28·73 | 167 | 132 |
| d | Bromsberrow Heath (Pumping Station) | Malvern U.D.C. | 5 | 1 0 | 181 | 26·2 | 29·74 | ... | ... |
| D | Tewkesbury (Forthampton Court) | Mr. B. Webster | 5 | 1 0 | 48 | 26·9 | 27·70 | 159 | 117 |
| D | Tewkesbury (Upper Lode) | R. D. Adams, Esq. | 5 | 1 0 | 41 | 25·2 | 26·78 | 171 | 128 |
| | **3.—SEVERN. Left Bank Tributaries. 369 sq. mi.** | | | | | | | | |
| D | Thornbury (Thornbury Park) | Gardener | 5 | 1 3 | 70 | 32·2 | 33·29 | 163 | 128 |
| D | Alderley (Cordwalles) | C. H. Ledward, Esq. | 5 | 1 0 | 300 | ... | 32·32 | 175 | 125 |
| d | Tortworth School | J. R. Organ, Esq. | 5 | 1 6 | 264 | 31·8 | 32·64 | ... | 133 |
| d | Wotton-under-Edge (Bournstream) | Lt.-Col. B. S. Browne | 5 | 1 8 | 300 | ... | 31·88 | 170 | 130 |
| D | Berkeley Castle Gardens | Mr. T. B. Ashbee | 5 | 1 6 | 60 | 29·1 | 31·06 | 157 | 126 |
| D | Dursley (Cam) | H. Thrower, Esq. | 5 | 1 0 | 250 | ... | 31·64 | 177 | 132 |
| D | Berkeley (Sharpness Docks) | E. Perry, Esq., C.E. | 5 | 1 3 | 50 | ... | 30·91 | 162 | 117 |
| D | Minchinhampton (Rectory Cottage) | F/Lt. G. W. Fisher | 5 | 1 0 | 610 | 33·9 | 32·92 | 182 | 124 |
| d | Chalford (Waterworks) | Stroud District Water Board | 5 | 2 0 | 220 | ... | 29·36 | ... | ... |
| d | Frocester Manor | Capt. J. E. H. Graham-Clarke | 5 | 1 0 | 80 | ... | 26·86 | ... | ... |
| D | Stroud (Oakridge) | Lady Cripps | 5 | 1 0 | 550 | ... | 34·18 | 188 | 133 |
| D | Stonehouse (Wycliffe College) | W. A. Sibly, Esq. | 5 | 1 0 | 135 | 29·0 | 26·93 | 163 | 122 |
| D | Stroud (RUSCOMBE) | Capt. B. D. Parkin | 5 | 1 0 | 610 | ... | 29·48 | 194 | 138 |
| D | Miserden Park | Agent | 5 | 1 3 | 800 | ... | 33·54 | 178 | 135 |
| D | Whitminster (The Junction) | E. Perry, Esq., C.E. | 5 | 1 0 | 32 | ... | 31·64 | 159 | 125 |
| d | Haresfield Court | G. B. Heywood, Esq. | 5 | 1 0 | 100 | 30·2 | 26·66 | ... | ... |
| D | Painswick (Verlands) | Lady Sleeman | 5 | 1 0 | 650 | ... | 31·40 | 176 | 136 |

* *Per* Somerset River Board.

§ Turf wall round gauge.

## DIVISION VI—WEST MIDLAND COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge: Diam. | Rain-gauge: Height of Rim above Ground | Rain-gauge: Height of Ground above Sea Level | Average Rainfall | 1952: Rainfall | 1952: Days with ·01 in. or more | 1952: Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **GLOUCESTERSHIRE—(*contd.*).** | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **3.—SEVERN. Left Bank Tributaries—(*contd.*).** | | | | | | | | |
| D | Harescombe Grange ... ... | ... Mrs. Stamford Hutton ... | 5 | 1 0 | 557 | 29·3 | 27·29 | 176 | 136 |
| D | Cranham (Woodside) ... ... | ... J. H. Edwards, Esq. ... | 5 | 1 5 | 650 | ... | 26·41 | 186 | 135 |
| D | Witcombe Reservoir ... ... | ... J. H. Goodridge, Esq., C.E. | 8 | 1 0 | 297 | 29·2 | 25·81 | 176 | 126 |
| | Brockworth (The Kia) ... | ... Mrs. Grace Buckle ... | 5 | 1 4 | 220 | 27·1 | 24·57 | ... | ... |
| D | Gloucester (The Lannett) ... | ... R. H. Ellis, Esq. ... ... | 5 | 1 3 | 56 | 26·6 | 25·22 | 167 | 124 |
| D | Gloucester (Llanthony Lock) ... | ... R. D. Adams, Esq. ... | 5 | 0 10 | 33 | 25·4 | 26·90 | 169 | 121 |
| D | Dowdeswell Reservoir ... ... | ... Chelt. & Glos. Water Board | 5 | 1 3 | 357 | 30·0 | 29·11 | 169 | 139 |
| D | Cheltenham (Hewletts Reservoir) | ... Chelt. & Glos. Water Board | 8 | 1 6 | 419 | 27·7 | 26·47 | 186 | 134 |
| D | Cheltenham (Sandford Mead) | ... Chelt. & Glos. Water Board | 5 | 2 4 | 210 | 26·3 | 27·39 | 170 | 129 |
| D | CHELTENHAM (Montpellier Gdns.) (+A) | Town Clerk ... ... ... | 5 | 1 0 | 214 | 26·5 | 24·69 | 182 | 126 |
| D | Tewkesbury (Pumping Station) | ... Chelt. & Glos. Water Board | 5 | 1 0 | 47 | ... | 25·59 | 167 | 122 |
| | **4.—SEVERN. Upper Avon. 68 sq. mi.** | | | | | | | | |
| D | Blockley (The Manor House) | ... Major H. F. Cox ... ... | 5 | 1 0 | 450 | 29·4 | 30·38 | 202 | 137 |
| D | Winchcombe (Sudeley Castle)... | ... Mrs. M. Dent-Brocklehurst | 5 | 1 0 | 357 | ... | 29·71 | 197 | 140 |
| D | Toddington (Lydes) ... ... | ... A. G. Fyshe, Esq. ... ... | 5 | 1 0 | 270 | ... | 24·61 | 184 | 128 |
| D | Chipping Campden (Leysbourne) | ... Miss C. Sparling ... ... | 5 | 1 0 | 470 | ... | 30·96 | 207 | 148 |
| D | Campden (Research Station) ... | ... Director ... ... ... | 5 | 1 0 | 389 | ... | 26·71 | 169 | 127 |
| | **5.—LOWER AVON & C. 208 sq. mi.** | | | | | | | | |
| D | Bitton (Willsbridge Nurseries) | ... G. E. A. Richards, Esq. ... | 5 | 1 0 | 100 | ... | 33·23 | 161 | 133 |
| D | Bath (Monkswood Reservoir) | ... Bath Corporation W.W. ... | 5 | 1 0 | 365 | ... | 40·00 | 197 | 149 |
| D | Hanham (Conham Sewage Works) | ... W. J. Lee, Esq. ... ... | 5 | 1 3 | 50 | ... | 34·51 | 184 | 137 |
| D | Bristol (Hopewell Hill)... ... | ... W. Gloucester Water Co. ... | 8 | 1 8 | 386 | 30·5 | 34·08 | 173 | 135 |
| D | Clifton (Oakfield Road) ... | ... R. W. M. Melvin, Esq. ... | 5 | 1 0 | 200 | 33·0 | 34·23 | 151 | 126 |
| D | Bristol (St. Andrew's Park) ... | ... Miss O. M. Webb ... ... | 5 | 1 2 | 200 | 32·6 | 35·88 | 181 | 129 |
| D | Bristol (Stoke Paddock Road) | ... Major E. J. Dunscombe ... | 5 | 1 6 | 90 | ... | 34·13 | 170 | 124 |
| d | Horfield ... ... ... ... | (+A) City Engineer, Bristol ... | 5 | 1 0 | 248 | ... | 32·24 | ... | ... |
| D | BRISTOL (FILTON) ... ... | (+A) Meteorological Office ... | 5 | 1 0 | 192 | ... | 32·79 | 168 | 116 |
| D | Henbury (The Ridgeway) ... | ... R. H. Gunn, Esq. ... ... | 5 | 1 0 | 263 | ... | 33·71 | 174 | 122 |
| D | FRAMPTON COTTERELL (Park House)... | late H. H. Harding, Esq. ... | 5 | 1 0 | 158 | 29·8 | 33·53 | 184 | 127 |
| D | Badminton Gardens ... ... | ... Head Gardener ... ... | 5 | 1 0 | 407 | ... | 41·79 | 161 | 138 |
| D | Shipton Moyne (Pumping Station) | ... W. Gloucester Water Co. ... | 5 | 1 0 | 312 | ... | 32·93 | 200 | 131 |
| D | Long Newnton ... ... | ... P. A. Day, Esq. ... ... | 5 | 1 0 | 350 | ... | 33·44 | 175 | 135 |
| | **6.—THAMES. Right Bank Tributaries. 17 sq. mi.** | | | | | | | | |
| | **7.—THAMES. Windrush & c. 340 sq. mi.** | | | | | | | | |
| d | Fairford (Reevey, Kempsford) | ... Major H. A. Northen ... | 5 | 1 0 | 260 | 25·6 | 29·58 | ... | 122 |
| D | Lechlade (St. John's Lock) ... | ... Thames Conservancy ... | 5 | 1 7 | 237 | 24·3 | 27·24 | 179 | 113 |
| D | Fairford (Draycott) ... ... | ... Miss F. A. Edmonds ... | 5 | 2 0 | 200 | ... | 27·32 | 181 | 122 |
| D | Cirencester (Waterton House) | ... Alex McIntyre, Esq. ... | 5 | 1 0 | 300 | ... | 28·68 | 179 | 125 |
| D | Cirencester (Somerford Road) | ... Nigel Woods, Esq. ... ... | 5 | 1 0 | 354 | 30·8 | 29·24 | 190 | 130 |
| D | Cirencester (Baunton W.W.) ... | (+A) Cirencester U.D.C. ... | 5 | 1 0 | 396 | ... | 28·26 | 187 | 128 |
| d | Great Barrington ... ... | ... Mrs. R. E. Lazenby ... | 5 | 1 6 | 417 | 28·8 | 25·94 | ... | ... |
| D | LITTLE RISSINGTON Airfield ... | (+A) Meteorological Office ... | 5 | 1 0 | 731 | 29·4 | 26·06 | 181 | 128 |
| | **HEREFORDSHIRE. (Area 840 sq. mi.)** | | | | | | | | |
| | **1.—WYE. 685 sq. mi.** | | | | | | | | |
| d | Broad Oak (Glanmonnow House) | ... Brig.-Gen. T. R. F. Bate ... | 5 | 0 10 | 500 | ... | 34·23 | 209 | 129 |
| d | Llangarron (Tre Evan) ... | ... Colonel C. R. B. Owen ... | 5 | 1 0 | 256 | ... | 31·81 | 171 | 121 |
| | Walford (Hill Court Gardens) | ... Mrs. G. R. Trafford ... | 5 | 1 1 | 126 | 28·4 | 30·34 | ... | ... |
| D | ROSS-ON-WYE ... ... ... | (+A) F. J. Parsons, Esq., for M.O. | 5 | 1 0 | 223 | 28·2 | 28·23 | 167 | 118 |
| D | Bridstow (Ashe Leigh) ... | ... Major W. Stanley R. Cox | 5 | 1 6 | 220 | 27·4 | 28·65 | 167 | 124 |
| D | Kentchurch Court ... ... | ... J. Lucas-Scudamore, Esq. ... | 5 | 1 0 | 236 | ... | 34·11 | 170 | 129 |

## DIVISION VI—WEST MIDLAND COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1952 Rainfall | 1952 Days with ·01 in. or more | 1952 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **HEREFORDSHIRE—(*contd.*).** | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **1.—WYE—(*contd.*).** | | | | | | | | |
| D | Perrystone Court | Lt.-Gen. Sir Sidney Clive | 5 | 1 3 | 450 | ... | 30·57 | 183 | 137 |
| D | Much Dewchurch School | J. Holley, Esq. | 5 | 1 0 | 220 | ... | 28·68 | 169 | 121 |
| D | Vowchurch (Ladywell House) | A. S. Wood, Esq. | 5 | 1 0 | 400 | 34·9 | 36·16 | 184 | 143 |
| d | Michaelchurch Escley (Llan Rosser) | J. M. Maddy, Esq.* | 5 | 1 0 | 1125 | ... | 39·63 | 163 | 127 |
| D | Hampton Bishop | G. W. Hill, Esq.* | 5 | 1 0 | 145 | ... | 25·74 | 175 | 119 |
| D | Hereford (Breinton Court) | Mrs. R. E. H. Baily | 5 | 1 0 | 238 | 25·9 | 30·71 | 175 | 137 |
| D | Hereford (Kings Acre Road) | A. C. Quinn, Esq. | 5 | 1 0 | 216 | ... | 29·18 | 179 | 125 |
| D | Tillington Fruit Farm | Co-op. Wholesale Soc. Ltd. | 5 | 4 6 | 270 | ... | 27·71 | 186 | 129 |
| d | Clifford School | Headmaster | 5 | 1 7 | 490 | 33·1 | 31·79 | ... | 123 |
| d | Burghill Hospital | Medical Superintendent | 5 | 1 0 | 300 | 26·3 | 28·41 | ... | 123 |
| D | Preston Wynne | Farm Director | 5 | 1 0 | 274 | ... | 26·80 | 192 | 128 |
| D | Wellington (Yew Tree House) | Mrs. E. H. P. Jackson | 5 | 1 0 | 185 | ... | 32·20 | 201 | 135 |
| D | Weobley (Garnstone) | Lt.-Col. R. N. H. Verdin | 5 | 1 2 | 442 | ... | 31·63 | 186 | 133 |
| D | Sarnesfield Grange | Rev. W. Marshall | 5 | 1 0 | 378 | ... | 31·55 | 170 | 139 |
| D | Hope under Dinmore | Cadbury Bros. Ltd. | 5 | 1 0 | 246 | 27·4 | 27·56 | 175 | 127 |
| D | Pembridge (Moor Court) | Mrs. L. Benn | 5 | 1 8 | 400 | ... | 30·10 | 164 | 129 |
| D | Bromyard (The Down House) | Capt. L. R. Hibbert | 5 | 1 1 | 485 | ... | 29·69 | 190 | 141 |
| D | Lyonshall (The Croft) | Major R. J. Jones | 5 | 1 0 | 474 | ... | 31·82 | 192 | 142 |
| D | Lyonshall (The Whittern) | R. H. Green, Esq. | 5 | 1 0 | 508 | ... | 33·30 | 180 | 143 |
| d | Kington (Hill Court) | J. E. Barendt, Esq. | 5 | 0 9 | 595 | ... | 37·60 | 176 | 152 |
| D | Monkland Cottage | Capt. N. J. Bengough | 5 | 1 3 | 300 | ... | 28·70 | 196 | 142 |
| D | Kimbolton (Grantsfield) | Miss D. W. Hutchinson | 5 | 1 0 | 424 | 28·4 | 26·97 | 185 | 142 |
| D | Shobdon (Ty'n-y-Coed) | Miss Woodhouse | 5 | 1 0 | 450 | ... | 30·58 | 192 | 147 |
| D | Presteigne (Middlemoor) | A. M. Wilson, Esq. | 8 | 1 0 | 480 | 34·0 | 33·89 | 216 | 145 |
| | **2.—SEVERN. Right Bank Tributaries. 155 sq. mi.** | | | | | | | | |
| D | Newent (Kilcot) | Forestry Commission | 8 | 1 6 | 170 | ... | 29·87 | 158 | 133 |
| D | Much Marcle (Hall Court) | Mrs. J. J. S. Powell | 5 | 1 0 | 200 | ... | 26·35 | 146 | 115 |
| D | Ledbury (The Sladd) | Major R. E. Combe, M.C. | 5 | 1 0 | 400 | ... | 28·71 | 160 | 123 |
| | Cradley School | R. G. Hughes, Esq. | 5 | 0 9 | 250 | ... | 28·87 | ... | ... |
| D | Downton Castle (Estate Office) | D. T. Hodson, Esq. | 5 | 0 9 | 450 | ... | 29·57 | 192 | 134 |
| | **SHROPSHIRE. (Area, 1,343 sq. mi.)** | | | | | | | | |
| | **1.—MERSEY. Weaver. 27 sq. mi.** | | | | | | | | |
| D | Adderley (Raven House) | Mrs. Edmond Browne | 5 | 1 1 | 250 | ... | 24·01 | 195 | 135 |
| | **2.—DEE. 30 sq. mi.** | | | | | | | | |
| D | Whitchurch (Fenns Bank) | F. W. Sanders, Esq. | 8 | 1 0 | 271 | 27·1 | 26·24 | 194 | 144 |
| d | Overton (Sodylt Hall) | W. S. Corbett Lowe, Esq. | 5 | 3 0 | 266 | ... | 28·69 | ... | ... |
| | **3.—SEVERN. Right Bank Tributaries. 722 sq. mi.** | | | | | | | | |
| D | Bucknell Vicarage | Rev. W. A. Woodhouse | 5 | 1 0 | 480 | ... | 30·99 | 175 | 143 |
| d | Ludlow (Hill Crest) | C. B. Marston, Esq. | 5 | 1 6 | 350 | ... | 27·50 | ... | ... |
| D | Bromfield (Oakly Park) | Head Gardener | 5 | 1 5 | 300 | 29·7 | 30·21 | 192 | 135 |
| M | Cleobury Mortimer (Chilton) | Col. F. M. Tomkinson | 5 | 1 0 | 410 | ... | 29·41 | ... | ... |
| D | Anchor (Kerry Forest) | Forestry Commission | 5 | 0 10 | 1150 | ... | 49·49 | 237 | 177 |
| D | Burwarton (Dingle Leys) | R. B. C. Edwards, Esq. | 5 | 0 11 | 730 | ... | 32·98 | 202 | 145 |
| D | Craven Arms (Westhope Cottage) | Lady Dyer | 5 | 0 11 | 610 | ... | 27·28 | 186 | 133 |
| d | Lydbury North (Totterton) | Major W. H. B. Whitaker | 5 | 0 10 | 700 | 30·8 | 30·83 | ... | ... |
| d | Bishop's Castle (High School) | Headmaster | 5 | 1 0 | 575 | 32·8 | 32·12 | ... | ... |
| D | Bishops Castle (The Mount) | F. Lavender, Esq. | 5 | 1 0 | 735 | ... | 29·46 | 214 | 144 |
| D | Church Stretton (Sewage Works) | Surveyor, U.D.C. | 5 | 1 0 | 582 | 33·0 | 31·44 | 206 | 146 |
| D | Bridgnorth (Morville Hall) | Mrs. Bythell | 5 | 1 0 | 300 | ... | 26·89 | 182 | 133 |

* *Per* Wye River Board.

## DIVISION VI—WEST MIDLAND COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Height of Rim above Ground | Height of Ground above Sea Level | Average Rainfall | 1952 Rainfall | Days with ·01 in. or more | Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **SHROPSHIRE—(*contd.*).** | | *in.* | *ft.* *in.* | *ft.* | *in.* | *in.* | | |
| | **3.—SEVERN. Right Bank Tributaries—(*contd.*).** | | | | | | | | |
| D | Chirbury (Marrington Hall) | Brig. C. S. Price-Davies | 5 | 1 0 | 490 | 29·5 | 26·65 | 153 | 132 |
| d | Church Stretton (Woolstaston) | Mrs. E. E. Parry | 5 | 1 3 | 745 | 31·9 | 25·23 | ... | ... |
| D | Cressage (Harnage Grange) | E. W. Towler, Esq. | 5 | 1 1 | 384 | ... | 24·92 | 162 | 123 |
| D | Worthen | Dr. D. M. Hunter | 5 | 1 0 | 395 | ... | 26·80 | 196 | 148 |
| D | Meole Brace Hall | J. B. Hoare, Esq. | 5 | 1 0 | 250 | ... | 23·52 | 164 | 124 |
| D | Shrewsbury (Longden Road) | Capt. J. Deedes | 5 | 1 0 | 250 | ... | 24·86 | 172 | 133 |
| d | Shrewsbury (St. John's Hill) | Atcham R.D.C. | 5 | 1 0 | 253 | ... | 21·64 | 154 | 116 |
| D | SHREWSBURY (Monkmoor) | Medical Officer of Health | 8 | 1 0 | 184 | 24·7 | 22·61 | 187 | 128 |
| | **4.—SEVERN. Left Bank Tributaries. 564 sq. mi.** | | | | | | | | |
| D | Bridgnorth (Stanmore Hall) | The Hon. E. S. Hamilton-Russell | 5 | 1 0 | 297 | ... | 26·10 | 198 | 121 |
| D | Bridgnorth (Silverdale) | H. E. Trevor, Esq. | 5 | 1 0 | 245 | ... | 27·26 | 183 | 123 |
| D | Hilton (Pumping Station) | B. L. McMillan, Esq., C.E. | 5 | 1 0 | 168 | ... | 25·12 | 168 | 126 |
| D | Ackleton (The Folley) | H. J. Bath, Esq. | 5 | 1 0 | 230 | ... | 26·35 | 175 | 130 |
| d | Pattingham (Kingslow Hall) | R. Tildesley, Esq. | 5 | 1 0 | 300 | ... | 23·16 | ... | ... |
| D | Shifnal (Cosford Waterworks) | B. L. McMillan, Esq., C.E. | 5 | 0 10 | 222 | ... | 26·25 | 178 | 138 |
| D | Wellington (Wrekin College) | D. H. B. Pirkis, Esq. | 5 | 0 7 | 350 | ... | 27·59 | 168 | 127 |
| | Wellington (Allscott) | British Sugar Corpn., Ltd. | 5 | 0 9 | 200 | ... | 24·36 | ... | ... |
| D | NEWPORT (Harper Adams Ag. Coll.) | Principal | 5 | 1 0 | 211 | 24·8 | 23·32 | 200 | 134 |
| D | SHAWBURY Airfield (+A) | Meteorological Office | 5 | 1 0 | 235 | ... | 23·60 | 181 | 118 |
| D | Newport (Chetwynd Park) | J. G. B. Borough, Esq. | 5 | 0 9 | 230 | 28·3 | 27·48 | 206 | 148 |
| D | Wem (Modern School) | Headmaster | 5 | 0 9 | 260 | ... | 26·85 | 184 | 129 |
| D | Cheswardine Vicarage | Rev. F. K. Lawrence | 5 | 1 0 | 480 | ... | 28·31 | 208 | 154 |
| d | Oswestry (Llanyblodwel) | late Major W. M. Dugdale | 5 | 0 7 | 350 | ... | 32·99 | ... | ... |
| D | OSWESTRY (Filter Beds) | Liverpool Corporation W.W. | 5 | 1 0 | 568 | ... | 31·86 | 175 | 143 |
| D | Oswestry (Llanforda Reservoir) | Liverpool Corporation W.W. | 8 | 1 0 | 702 | ... | 36·41 | 172 | 148 |
| D | Oswestry (Mount Reservoir) | J. E. Taylor, Esq., C.E. | 5 | 1 0 | 698 | 34·5 | 34·87 | 196 | 146 |
| D | Oswestry (Llwyn Terrace) (+A) | J. E. Taylor, Esq., C.E. | 5 | 1 0 | 430 | ... | 31·70 | 183 | 134 |
| D | Ellesmere (Sheraton House) | C. Adam, Esq. | 5 | 0 10 | 300 | ... | 28·29 | 166 | 123 |
| | **STAFFORDSHIRE. (Area, 1,166 sq. mi.)** | | | | | | | | |
| | **1.—MERSEY. Weaver. 50 sq. mi.** | | | | | | | | |
| D | Madeley Vicarage | Rev. W. Garner* | 5 | 1 0 | 350 | ... | 28·58 | 199 | 148 |
| D | KEELE (Univ. Coll. of North Staffs.) | Prof. S. H. Beaver, M.A. | 5 | ... ... | 587 | ... | 27·23 | 200 | 149 |
| D | Biddulph Grange | Secretary | 5 | 1 0 | 560 | 33·8 | 33·47 | 166 | 148 |
| | **2.—SEVERN. Left Bank Tributaries. 160 sq. mi.** | | | | | | | | |
| D | Kinver | R. A. Robertson, Esq., C.E. | 5 | 1 0 | 152 | ... | 24·40 | 175 | 123 |
| d | Lye (Pumping Station) | G. P. Deeley, Esq. | 5 | 1 0 | 245 | ... | 25·66 | ... | ... |
| D | Kinver (Prestwood) | R. A. Robertson, Esq., C.E. | 5 | 1 0 | 179 | ... | 24·02 | 177 | 132 |
| D | Kingswinford (Ashwood P.S.) | R. A. Robertson, Esq., C.E. | 5 | 1 0 | 207 | 24·9 | 24·09 | 171 | 124 |
| D | Wolverhampton (Dimmingsdale W.W.) | B. L. McMillan, Esq., C.E. | 5 | 0 9 | 323 | ... | 24·76 | 165 | 120 |
| d | Wolverhampton (West Park) | Dr. R. H. H. Jolly | 5 | 1 0 | 430 | 27·1 | 28·00 | ... | ... |
| D | Tettenhall (Waterworks) | B. L. McMillan, Esq., C.E. | 5 | 0 10 | 468 | ... | 27·80 | 185 | 136 |
| D | Shifnal (Weston Park) | The Earl of Bradford | 5 | 1 6 | 400 | 27·3 | 27·13 | 210 | 140 |
| d | Norbury Junction | British Railways | 5 | 1 0 | 331 | 28·0 | 28·23 | ... | ... |
| D | MARKET DRAYTON (Loggerheads) | Cheshire Joint Sanatorium | 5 | 1 0 | 581 | ... | 25·78 | 184 | 141 |
| d | Maer Hall Gardens | A. E. Berisford, Esq. | 5 | 1 0 | 410 | 32·5 | 26·42 | ... | ... |
| | **3.—TRENT. Right Bank Tributaries. 513 sq. mi.** | | | | | | | | |
| D | Tividale (Sewage Disposal Works) | G. P. Deeley, Esq. | 5 | 1 0 | 432 | ... | 29·05 | 188 | 136 |
| D | West Bromwich (Dartmouth Park)(+A) | Borough Surveyor | 8 | 1 7 | 543 | 26·2 | 27·99 | 162 | 131 |

* *Per* Cheshire River Board.

## DIVISION VI—WEST MIDLAND COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1952 Rainfall | 1952 Days with ·01 in. or more | 1952 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | STAFFORDSHIRE—(*contd.*). | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | 3.—TRENT. Right Bank Tributaries.—(*contd.*). | | | | | | | | |
| D | Tipton (Toll End Sewage Works) | Manager | 5 | 1 0 | 400 | ... | 26·37 | 194 | 125 |
| D | Wednesbury (Ocker Hill) | Docks & Inland Waterways | 5 | 1 0 | 476 | 26·6 | 25·17 | 176 | 129 |
| D | Walsall (Bescot Sewage Farm) | M. E. Habershon, Esq. | 5 | 0 11 | 387 | 26·9 | 25·63 | 172 | 123 |
| D | Darlaston (Sewage Works) | S. E. Hammonds, Esq. | 8 | 1 6 | 393 | ... | 25·40 | 178 | 125 |
| D | Willenhall (Sewage Works) | Engineer & Surveyor | 5 | 0 10 | 390 | ... | 25·26 | 177 | 124 |
| d | Bilston (The Lunt Outfall) | Works Manager | 8 | 1 0 | 410 | 27·3 | 27·70 | ... | ... |
| D | Walsall (Dartmouth Avenue) | J. C. W. Day, Esq. | 5 | 1 0 | 455 | ... | 28·64 | 197 | 134 |
| D | Aldridge (Bourne Vale) | R. A. Robertson, Esq., C.E. | 5 | 1 0 | 419 | 25·1 | 26·48 | 186 | 131 |
| D | Codsall (Suckling Green Lane) | P. W. Iliff, Esq. | 5 | 1 0 | 410 | ... | 27·93 | 199 | 135 |
| d | Oaken (Manor House) | A. J. Parkes, Esq., M.C. | 5 | 1 1 | 409 | ... | 26·08 | ... | 122 |
| D | Shenstone (Little Hay) | R. A. Robertson, Esq., C.E. | 5 | 1 0 | 298 | ... | 26·47 | 182 | 124 |
| d | Bloxwich (Sneyd Reservoir) | Docks & Inland Waterways | 5 | 1 0 | 507 | 25·5 | 25·22 | ... | ... |
| D | Pelsall (Goscote Sewage Works) | M. E. Habershon, Esq. | 5 | 1 0 | 435 | ... | 26·55 | 180 | 127 |
| D | Tamworth (Sewage Pumping Stn.) | K. Price, Esq. | 8 | 0 10 | 182 | ... | 23·73 | 188 | 126 |
| D | Brownhills (Sandhills) | R. A. Robertson, Esq., C.E. | 5 | 1 0 | 407 | ... | 24·75 | 173 | 131 |
| D | Brownhills | Engineer & Surveyor | 5 | 1 8 | 492 | 26·8 | 25·56 | 167 | 126 |
| d | Chasetown | National Coal Board | 5 | 0 11 | 507 | ... | 28·42 | ... | 122 |
| d | Brewood (Slade Heath Pumping Station) | R. A. Robertson, Esq., C.E. | 5 | 1 0 | 340 | 25·4 | 27·96 | ... | 126 |
| D | Hammerwich (Cannock Chase Res.) | Docks & Inland Waterways | 5 | 1 0 | 475 | 25·3 | 27·50 | 187 | 132 |
| D | Whittington (Old Hall) | Mr. E. J. L. Lockyer | 5 | 1 3 | 221 | ... | 23·85 | 168 | 122 |
| D | †Cannock (Longford Rd. Sew. W.)(+A) | Cannock U.D.C. | 5 | 1 0 | 400 | ... | 24·23 | 166 | 127 |
| D | Cannock (Heath Hayes Sewage Works) | Cannock U.D.C. | 5 | 1 0 | 531 | ... | 26·09 | 160 | 124 |
| D | Hednesford (Gentleshaw) | R. A. Robertson, Esq., C.E. | 5 | 1 0 | 744 | ... | 30·60 | 187 | 136 |
| d | Brewood (Belvide Reservoir) | Docks & Inland Waterways | 5 | 1 0 | 367 | ... | 29·26 | 210 | 125 |
| d | Elford | W. H. Haile, Esq., C.E. | 5 | 1 0 | 183 | ... | 21·44 | ... | 115 |
| D | Hednesford (Pye Green) | R. A. Robertson, Esq., C.E. | 5 | 1 0 | 768 | ... | 28·01 | 194 | 135 |
| D | Lichfield (Hanch Reservoir) | R. A. Robertson, Esq., C.E. | 5 | 1 0 | 259 | 26·9 | 25·32 | 188 | 127 |
| D | Alrewas (C. E. School) | Headmaster | 5 | 0 6 | 200 | ... | 25·33 | 163 | 118 |
| D | Rugeley (Slitting Mill) | R. A. Robertson, Esq., C.E. | 5 | 1 0 | 299 | ... | 26·13 | 193 | 131 |
| D | Rugeley (Brindley Bank) | R. A. Robertson, Esq., C.E. | 5 | 1 0 | 254 | 26·6 | 25·16 | 188 | 129 |
| D | Milford (Waterworks) | G. J. Plant, Esq. | 5 | 1 0 | 246 | 27·5 | 27·94 | 198 | 134 |
| D | Stafford (Newport Road) | Dr. J. C. Burne | 5 | 1 0 | 250 | ... | 29·64 | 197 | 149 |
| D | Stafford (Victoria Pleasure Ground) | G. J. Plant, Esq. | 5 | 1 6 | 245 | 27·2 | 28·01 | 203 | 134 |
| D | Yarlet Hall | K. E. Tarling, Esq. | 5 | 1 0 | 405 | ... | 29 33 | 181 | 141 |
| D | Eccleshall (Sugnall Hall) | C. E. Lowe, Esq. | 5 | 1 0 | 450 | ... | 26·73 | 175 | 138 |
| D | Standon (Hatton Waterworks) | C. V. Brown, Esq., C.E. | 5 | 1 0 | 355 | 29·0 | 26·42 | 178 | 145 |
| d | Whitmore (Pumping Station) | British Railways | 5 | 1 3 | 396 | ... | 28·41 | ... | ... |
| D | Hanley (Etruria) | Shelton Iron, Steel & Coal Co. Ltd. | 5 | 1 0 | 423 | ... | 29·60 | 187 | 151 |
| | 4.—TRENT. Left Bank Tributaries. 193 sq. mi. | | | | | | | | |
| D | Hamstall Ridware (No. 1) | R. A. Robertson, Esq., C.E. | 5 | 1 0 | 214 | 24·3 | 22·33 | 177 | 124 |
| D | Hamstall Ridware (No. 2) | R. A. Robertson, Esq., C.E. | 5 | 1 0 | 240 | ... | 24·18 | 178 | 127 |
| D | Mavesyn Ridware Rectory | Rev. W. F. Need | 5 | 1 0 | 229 | ... | 25·96 | 183 | 126 |
| D | Burton Reservoir | R. A. Robertson, Esq., C.E. | 5 | 1 0 | 309 | 25·1 | 22·50 | 155 | 111 |
| D | Burton (Shobnall) | Bass, Ratcliff & Bretton, Ltd. | 5 | 1 0 | 157 | 24·6 | 23·50 | 178 | 117 |
| D | Burton-on-Trent (Outwoods) | R. A. Robertson, Esq., C.E. | 5 | 1 0 | 310 | ... | 25·30 | 164 | 122 |
| D | Burton (Outwoods Hospital) | Medical Officer of Health | 5 | 1 0 | 220 | ... | 26·28 | 212 | 126 |
| D | Blithfield Reservoir | R. A. Robertson, Esq., C.E. | 5 | 1 0 | 273 | ... | 26·92 | 192 | 140 |
| D | Abbots Bromley (Port Fields) | R. A. Robertson, Esq., C.E. | 5 | 1 0 | 316 | 27·5 | 26·92 | 191 | 137 |
| M | Newton (Booth) | R. A. Robertson, Esq., C.E. | 5 | 1 0 | 360 | ... | 26·84 | ... | ... |
| M | Kingston | R. A. Robertson, Esq., C.E. | 5 | 1 0 | 420 | ... | 26·51 | ... | ... |
| M | Gratwich (Caverswall Farm) | R. A. Robertson, Esq., C.E. | 5 | 1 0 | 381 | 29·8 | 29·04 | ... | ... |
| M | Gratwich (Fradswell) | R. A. Robertson, Esq., C.E. | 5 | 1 0 | 450 | ... | 29·26 | ... | ... |
| M | Leigh (Middleton Green) | R. A. Robertson, Esq., C.E. | 5 | 1 0 | 597 | 31·8 | 32·77 | ... | ... |

† Turf wall round gauge.

## DIVISION VI—WEST MIDLAND COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Height of Rim above Ground | Height of Ground above Sea Level | Average Rainfall | 1952 Rainfall | Days with ·01 in. or more | Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | STAFFORDSHIRE—(*contd.*). | | *in.* | *ft.* *in.* | *ft.* | *in.* | *in.* | | |
| | **4.—TRENT. Left Bank Tributaries—(*contd.*).** | | | | | | | | |
| M | Leigh (Lane Farm) ... ... ... | R. A. Robertson, Esq., C.E. | 5 | 1 0 | 500 | ... | 29·59 | ... | ... |
| M | Fulford Manor ... ... ... ... | R. A. Robertson, Esq., C.E. | 5 | 1 0 | 710 | ... | 31·31 | ... | ... |
| D | Draycott (Cresswell Pumping Station) | C. V. Brown, Esq., C.E. ... | 5 | 1 0 | 538 | ... | 35·53 | 215 | 151 |
| D | Longton (The Meir) ... ... ... | C. V. Brown, Esq., C.E. ... | 5 | 1 0 | 617 | 31·7 | 32·12 | 177 | 139 |
| M | Caverswall (Hardwick Farm) ... | R. A. Robertson, Esq., C.E. | 5 | 1 0 | 810 | ... | 31·63 | ... | ... |
| M | Longton (Hulme) ... ... ... | R. A. Robertson, Esq., C.E. | 5 | 1 0 | 710 | ... | 32·41 | ... | ... |
| D | Hanley (Sewage Works) ... ... | W. H. Makepeace, Esq. ... | 5 | 1 0 | 386 | ... | 28·63 | 188 | 149 |
| D | Werrington ... ... ... ... | R. A. Robertson, Esq., C.E. | 5 | 1 0 | 860 | ... | 32·98 | 217 | 160 |
| D | Werrington (Wallmires Pumping Stn.) | Cheadle R.D.C. ... | 5 | 1 0 | 761 | 34·6 | 34·37 | 221 | 158 |
| | **5.—TRENT. Dove. 250 sq.mi.** | | | | | | | | |
| D | Uttoxeter ... ... ... ... | C. H. Elkes & Sons, Ltd.... | 5 | 1 0 | 295 | ... | 25·45 | 175 | 137 |
| M | Dilhorne (Richmoor Hill) ... ... | R. A. Robertson, Esq., C.E. | 5 | 1 0 | 919 | ... | 34·29 | ... | ... |
| D | Leek (Wall Grange Pumping Stn.) ... | C. V. Brown, Esq., C.E. ... | 5 | 1 0 | 456 | 34·7 | 32·92 | 187 | 144 |
| D | Leek (Longsdon) ... ... ... | S. K. Peacock, Esq. ... | 5 | 1 0 | 650 | ... | 35·51 | 190 | 158 |
| D | Leek (Moorhill) ... ... ... | Lt.-Col. G. J. Worthington | 5 | 1 0 | 680 | 37·2 | 39·38 | 207 | 162 |
| D | Leek (Tittesworth) ... ... ... | C. V. Brown, Esq., C.E. ... | 5 | 1 0 | 657 | ... | 38·98 | 210 | 156 |
| M | Leek (Withens, Upper Hulme) ... | J. A. Gilchrist, Esq. ... | 5 | 1 1 | 1084 | 39·0 | 36·57 | ... | ... |
| | **WORCESTERSHIRE. (Area, 732 sq. mi.)** | | | | | | | | |
| | **1.—SEVERN. Right Bank Tributaries. 222 sq. mi.** | | | | | | | | |
| D | Upton-on-Severn (Berryfield House) ... | Dr. W. V. Naish ... ... | 5 | 1 0 | 50 | ... | 28·22 | 166 | 119 |
| d | Malvern (British Camp Reservoir) ... | Malvern U.D.C. ... ... | 5 | 1 0 | 677 | 28·5 | 28·05 | ... | ... |
| D | MALVERN (Free Library) ... ... | Malvern U.D.C. ... ... | 5 | 1 0 | 380 | 27·6 | 30·47 | 181 | 142 |
| D | West Malvern ... ... ... ... | Malvern U.D.C. ... ... | 5 | 1 0 | 832 | 28·9 | 32·67 | 168 | 138 |
| D | Worcester (Diglis Lock) ... ... | Docks & Inland Waterways | 5 | 0 7 | 49 | 24·7 | 27·27 | 155 | 125 |
| d | Shelsley Beauchamp ... ... ... | W. Lionel Moore, Esq. ... | 5 | 0 9 | 132 | ... | 29·10 | ... | 129 |
| D | Tenbury (Belle Vue) ... ... ... | Miss M. M. Lowe ... ... | 5 | 1 0 | 315 | 26·3 | 26·92 | 186 | 135 |
| D | Bewdley (Ribbesford) ... ... ... | Camp Superintendent ... | 5 | 1 0 | 516 | ... | 25·89 | 189 | 130 |
| d | Bewdley (Winterdyne) ... ... ... | Winterdyne Trust ... ... | 5 | 1 0 | 175 | ... | 24·71 | ... | ... |
| | **2.—SEVERN. Left Bank Tributaries. 200 sq. mi.** | | | | | | | | |
| d | Kempsey (Kingshurst) ... ... | Dr. M. Clover ... ... | 5 | 1 0 | 54 | ... | 28·18 | 169 | 129 |
| D | Worcester (Waterworks) ... ... | City Engineer ... ... | 5 | 1 0 | 57 | 23·2 | 24·64 | 176 | 123 |
| D | Worcester (Samuel Southall School) ... | Headmaster ... ... ... | 5 | 1 0 | 147 | ... | 25·73 | 167 | 122 |
| D | Worcester (Bevere Lock) ... ... | Docks & Inland Waterways | 5 | 1 1 | 52 | 24·5 | 25·56 | 160 | 124 |
| D | DROITWICH (Sewage Works) ... ... | Boro. Engineer & Surveyor | 5 | 1 0 | 106 | 25·4 | 23·91 | 173 | 116 |
| D | Bromsgrove (Tardebigge Reservoir) ... | E. Perry, Esq. ... ... | 5 | 1 0 | 455 | 27·5 | 32·54 | 198 | 136 |
| d | Bromsgrove (Sewage Disposal Works) | Bromsgrove U.D.C. ... | 5 | 1 6 | 280 | ... | 27·95 | ... | 135 |
| D | Bromsgrove (Burcot Pumping Stn.) ... | F. H. Bullock, Esq. ... | 5 | 1 0 | 432 | ... | 28·64 | 169 | 130 |
| D | Barnt Green (Linthurst Road) ... | Miss M. Gibbins ... ... | 5 | 1 0 | 650 | ... | 30·77 | 189 | 127 |
| D | Stourport (Lincombe Lock) ... ... | Docks & Inland Waterways | 5 | 1 0 | 62 | 25·6 | 26·87 | 168 | 126 |
| D | Bromsgrove (Washing Stocks P.S.) ... | F. H. Bullock, Esq. ... | 5 | 1 0 | 366 | ... | 27·02 | 187 | 134 |
| D | Bewdley (C.E. School) ... ... | P. H. Pritchard, Esq. ... | 8 | 1 5 | 70 | 26·4 | 26·68 | 190 | 135 |
| d | Kidderminster (Pumping Station) ... | Sanitary Inspector ... ... | 5 | 1 0 | 178 | ... | 22·58 | ... | ... |
| d | Kidderminster (St. John's Avenue) ... | H. Hodgkinson, Esq. ... | 5 | 1 0 | 250 | ... | 23·54 | ... | ... |
| D | Kidderminster (Park Hall) ... ... | K. H. Wilson, Esq. ... | 5 | 1 0 | 200 | 25·7 | 26·25 | 182 | 131 |
| D | Kidderminster (Wolverley Road) ... | R. D. M. Evers, Esq. ... | 5 | 1 3 | 245 | ... | 23·46 | 191 | 122 |
| D | Bewdley (Elan Aqueduct) ... ... | C. A. Risbridger, Esq., C.E. | 5 | 1 0 | 91 | 26·7 | 28·55 | 190 | 148 |
| D | Clent Hall ... ... ... ... | Miss H. M. Wilson... ... | 5 | 1 0 | 600 | ... | 28·61 | 197 | 129 |
| D | Wolverley (Hill House) ... ... | J. C. Wilson, Esq. ... ... | 5 | 0 8 | 250 | ... | 27·68 | 156 | 129 |
| D | Halesowen (Romsley) ... ... | R. A. Robertson, Esq., C.E. | 5 | 1 0 | 616 | 30·6 | 33·41 | 170 | 147 |
| D | Halesowen (Hayley Green) ... ... | C. Roberts, Esq. ... ... | 5 | 1 0 | 500 | ... | 28·79 | 184 | 137 |
| D | Pedmore (Beckman Road) ... ... | A Porter, Esq., B.Sc. ... | 5 | 1 0 | 415 | 26·5 | 28·09 | 194 | 132 |
| D | Stourbridge (Pumping Station) ... | G. P. Deeley, Esq.... ... | 8 | 1 0 | 212 | 27·1 | 31·02 | 189 | 132 |

## DIVISION VI—WEST MIDLAND COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1952 Rainfall | 1952 Days with ·01 in. or more | 1952 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **WORCESTERSHIRE—(*contd.*).** | | *in.* | *ft.* | *ft.* | *in.* | *in.* | | |
| | **2. SEVERN. Left Bank Tributaries—(*contd.*).** | | | | | | | | |
| D | Wollaston (Wood Street) | H. Little, Esq. | 5 | 1 | 275 | ... | 25·80 | 186 | 122 |
| D | Wollaston (Coalbourn Pumping Stn.) | J.S.Brown,Esq.,M.I.Mun.E. | 5 | 1 | 225 | ... | 25·06 | 175 | 125 |
| d | Dudley (Blue Coat Sec. Mod. School) | S. Wright, Esq. | 5 | 1 | 660 | ... | 28·65 | ... | ... |
| | **3.—SEVERN. Upper Avon. 251 sq. mi.** | | | | | | | | |
| D | Bredon (Bredon House) | Col. M. F. Grant | 5 | 1 | 120 | 24·5 | 28·00 | 177 | 139 |
| d | Broadway (Farncombe) | G. Pemberton, Esq. | 5 | 0 | 750 | 27·5 | 29·42 | ... | 131 |
| D | DEFFORD Airfield (+A) | Meteorological Office | 5 | 1 | 56 | ... | 23·53 | 164 | 116 |
| D | Evesham (Bengeworth) | Ross Bros., Ltd. | 8 | 1 | 128 | 22·9 | 24·14 | 150 | 117 |
| D | Evesham (Bretforton Manor) | H. Ashwin, Esq. | 5 | 1 | 130 | 24·5 | 28·43 | 181 | 132 |
| d | Evesham (Sewage Works) | Borough Surveyor | 5 | 1 | 85 | 22·6 | 23·60 | ... | 123 |
| D | Evesham (High Street) | N. A. Field, Esq. | 5 | 1 | 135 | 23·1 | 25·09 | 179 | 124 |
| d | Evesham (Port Street) | W. J. Craven & Co. Ltd. | 5 | 1 | 72 | ... | 25·68 | ... | ... |
| D | Pershore (Three Springs) | C. A. Mumford, Esq. | 5 | 4 | 72 | 23·4 | 24·42 | 146 | 113 |
| D | Crowle (Manor House) | Miss C. Moore | 5 | 1 | 116 | 23·1 | 26·05 | 148 | 116 |
| | Alcester (Cookhill) | T. Barber, Esq. | 5 | 1 | 400 | 24·5 | 29·17 | 154 | ... |
| D | Redditch (Hewell Gardens) | Mr. F. Molyneux | 5 | 1 | 469 | 27·7 | 32·47 | 197 | 138 |
| D | Bromsgrove (Brockhill Pumping Stn.) | F. H. Bullock, Esq. | 5 | 1 | 439 | ... | 28·54 | 176 | 133 |
| D | Bromsgrove (Lower Bittall Reservoir) | E. Perry, Esq. | 5 | 1 | 457 | 28·9 | 31·57 | 188 | 141 |
| | **4.—THAMES. Windrush & c. 3 sq. mi.** | | | | | | | | |
| | **5.—TRENT. Right Bank Tributaries. 56 sq. mi.** | | | | | | | | |
| D | Oldbury (Barnford Hill Park) | Borough Surveyor | 5 | 0 | 607 | ... | 33·19 | 186 | 141 |
| D | Dudley (Tipton Road) | Borough Engineer | 8 | 1 | 490 | ... | 26·56 | 192 | 135 |
| D | Dudley (Shavers End) No. 1 | R. A. Robertson, Esq., C.E. | 5 | 1 | 745 | ... | 27·01 | 189 | 141 |
| | **WARWICKSHIRE. (Area. 944 sq. mi.)** | | | | | | | | |
| | **1.—SEVERN. Upper Avon. 640 sq. mi.** | | | | | | | | |
| d | Long Compton (Weston Park) | Mrs. H. B. Warriner | 8 | 1 | 510 | 26·5 | 24·75 | ... | 137 |
| D | SHIPSTON-ON-STOUR (Compton Scorp.) | A. W. Beecham, Esq. | 5 | 1 | 364 | 24·7 | 27·21 | 194 | 132 |
| d | Tredington | Mrs. N. H. Walton | 5 | 1 | 200 | ... | 21·73 | ... | ... |
| D | Bidford on Avon (Bowood) | A. H. Brunwin, Esq. | 5 | 0 | 200 | ... | 28·68 | 163 | 122 |
| D | LUDDINGTON | Farm Director | 5 | 1 | 150 | ... | 23·70 | 176 | 118 |
| d | STRATFORD-ON-AVON (Drayton Manor) | Director, Grassland Imp. Stn. | 5 | 1 | 160 | 23·7 | 24·13 | ... | 123 |
| D | Stratford-on-Avon (Milcote) | P. C. Smart, Esq., C.E. | 5 | 1 | 122 | 23·6 | 24·95 | 168 | 114 |
| D | Stratford-on-Avon (Thurlaston) | Miss M. A. Everard | 5 | 1 | 135 | 24·2 | 23·47 | 184 | 120 |
| D | Stratford-on-Avon (Wellesbourne Gv.) | G. A. Barton, Esq., F.R.Met.S. | 5 | 1 | 131 | 23·9 | 24·76 | 214 | 120 |
| D | Bidford (Moor Hall) | Miss M. R. Cubberley | 5 | 1 | 200 | 24·0 | 27·52 | 152 | 123 |
| D | Temple Grafton Court | T. L. Lonsdale, Esq. | 8 | 1 | 270 | 24·8 | 26·21 | 162 | 129 |
| D | WELLESBOURNE | Director (Nat. Veg. Res. Stn.) | 5 | 1 | 153 | ... | 23·97 | 176 | 118 |
| d | Alcester (Surveyor's Office) | Alcester R.D.C. | 8 | 1 | 140 | 24·5 | 26·79 | ... | 119 |
| D | Alcester (Arrowside) | J. B. Shewell, Esq. | 5 | 1 | 148 | ... | 26·40 | 166 | 120 |
| D | Ashorne (Victoria Cottage) | G. T. Osborn, Esq. | 5 | 1 | 160 | 24·7 | 23·05 | 165 | 121 |
| d | Stratford-on-Avon (Snitterfield) | P. C. Smart, Esq., C.E. | 5 | 1 | 274 | 25·2 | 23·89 | ... | ... |
| D | Alcester (The Pleck) | Miss C. E. Chapman | 5 | 0 | 250 | 24·4 | 26·40 | 158 | 119 |
| D | Southam (Banbury Road) | C. W. Arkell, Esq. | 5 | 1 | 250 | 24·9 | 25·67 | 191 | 125 |
| D | Studley College | Headmistress | 5 | 0 | 256 | 25·1 | 25·92 | 177 | 123 |
| D | Warwick (Mill Street) | Mr. H. F. Smale | 5 | 1 | 197 | 25·3 | 25·02 | 180 | 116 |
| D | Warwick (St. Nicholas Park) | R. Wormell, Esq., C.E. | 5 | 1 | 155 | ... | 23·90 | 161 | 114 |
| D | LEAMINGTON SPA (Pump Rm. Gdns.) | Medical Officer of Health | 8 | 1 | 163 | 24·0 | 23·80 | 166 | 117 |
| d | Warwick (Hatton) | Docks & Inland Waterways | 5 | 1 | 400 | 26·7 | 25·49 | ... | 114 |
| D | Leamington Spa (Woodland Grange) | H. M. Blenkinsop, Esq. | 8 | 1 | 200 | 25·3 | 25·68 | 171 | 124 |
| d | Dunchurch Hall | C. L. D. Fawcus, Esq. | 5 | 1 | 400 | 24·6 | 24·30 | ... | 123 |
| D | Kenilworth (U.D.C. Offices) | Surveyor | 5 | 1 | 294 | ... | 27·00 | 174 | 120 |
| D | Stretton-on-Dunsmore (Manor House) | L. Lister-Kaye, Esq. | 5 | 1 | 280 | 24·9 | 26·61 | 184 | 129 |

## DIVISION VI—WEST MIDLAND COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1952 Rainfall | 1952 Days with ·01 in. or more | 1952 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **WARWICKSHIRE—(*contd.*).** | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **1.—SEVERN. Upper Avon—(*contd.*).** | | | | | | | | |
| D | Rugby (Bilton Grange) | Mr. L. W. Bass | 5 | 1 0 | 400 | 25·0 | 23·24 | 175 | 127 |
| D | Rugby (Avon Waterworks) | Borough Engineer | 5 | 1 0 | 285 | 24·2 | 23·42 | 171 | 120 |
| D | Ryton-on-Dunsmore (Ryton House) | Mrs. M. L. Browett | 5 | 1 2 | 260 | 26·0 | 25·48 | 160 | 119 |
| D | Coventry (Stoke) | E. H. Hodgkins, Esq. | 5 | 1 0 | 267 | ... | 25·46 | 165 | 124 |
| D | COVENTRY (City Hospital) | Medical Officer of Health | 8 | 1 0 | 241 | 26·0 | 25·44 | 168 | 124 |
| D | Coventry (Belvedere Road) | H. G. Ellinger, Esq. | 5 | 1 0 | 362 | ... | 27·22 | 190 | 122 |
| D | Nuneaton (Bedworth Waterworks) | Waterworks Manager | 5 | 1 1 | 346 | 27·1 | 26·50 | 177 | 121 |
| d | Astley Vicarage | Rev. I. F. H. Carr-Gregg | 5 | 1 0 | 440 | 27·8 | 28·05 | ... | ... |
| | **2.—THAMES. Windrush & c. 2 sq. mi.** | | | | | | | | |
| | **3.—THAMES. Cherwell. 15 sq. mi.** | | | | | | | | |
| | **4.—TRENT. Right Bank Tributaries. 287 sq. mi.** | | | | | | | | |
| D | Coventry (Balsall Common) | W. F. E. Seeley, Esq. | 5 | 1 8 | 380 | ... | 26·27 | 167 | 123 |
| d | Hampton in Arden (Eastcote) | J. H. Aston, Esq. | 5 | 1 2 | 500 | ... | 27·94 | ... | ... |
| D | Highters Heath Reservoir | C. A. Risbridger, Esq., C.E. | 5 | 1 0 | 517 | ... | 28·74 | 186 | 131 |
| D | Halesowen (Frankley) | C. A. Risbridger, Esq., C.E. | 5 | 0 10 | 571 | 30·7 | 28·33 | 184 | 133 |
| D | Northfield (Bartley Reservoir No. 1) | C. A. Risbridger, Esq., C.E. | 5 | 1 0 | 600 | ... | 31·16 | 198 | 138 |
| D | Moseley (Cotton Lane) | U. A. Baker, Esq. | 5 | 1 0 | 500 | ... | 32·69 | 198 | 137 |
| D | Bartley (Bromwich Wood) | C. A. Risbridger, Esq., C.E. | 5 | 1 0 | 611 | ... | 30·09 | 197 | 141 |
| D | BIRMINGHAM (SPARKHILL) | D. H. Owen, Esq. | 5 | 1 0 | 425 | 28·1 | 29·51 | 187 | 133 |
| D | ELMDON (Birmingham Airport) (+A) | Meteorological Office | 5 | 0 11 | 324 | ... | 24·80 | 172 | 120 |
| D | EDGBASTON (King Edwards School) | Meteorological Observer | 5 | 1 0 | 450 | ... | 27·03 | 185 | 135 |
| D | BIRMINGHAM (Edgbaston Observatory) | Birmingham Midland Inst. | 8 | 1 0 | 535 | 26·5 | 29·53 | 190 | 129 |
| D | Birmingham (Rotton Park) | Docks & Inland Waterways | 5 | 1 0 | 477 | ... | 26·80 | 166 | 134 |
| D | Birmingham (Stechford) | Birmingham Drainage Board | 5 | 1 3 | 302 | ... | 25·95 | 184 | 137 |
| D | Birmingham (HANDSWORTH) | D. M. Evans, Esq. | 5 | 1 0 | 469 | ... | 29·15 | 191 | 129 |
| D | Birmingham (Saltley Sewage Works) | Birmingham Drainage Board | 5 | 1 0 | 292 | ... | 28·89 | 169 | 140 |
| D | Nuneaton (The Quarry) | Miss K. E. Smith | 5 | 1 0 | 321 | 26·0 | 27·91 | 181 | 127 |
| D | Birmingham (Handsworth Park) (+A) | City Engineer | 8 | 1 4 | 424 | ... | 30·37 | 191 | 133 |
| D | Handsworth (Howard Road) | R. Westwood, Esq. | 5 | 0 9 | 368 | ... | 29·90 | 181 | 132 |
| D | Whitacre (Birmingham W.W.) | C. A. Risbridger, Esq., C.E. | 5 | 1 0 | 269 | 26·0 | 26·84 | 193 | 131 |
| D | Whitacre (Station Road) | T. C. Lycett, Esq. | 5 | 1 0 | 233 | ... | 25·64 | 167 | 117 |
| D | Birmingham (Erdington) | C. A. Risbridger, Esq., C.E. | 5 | 1 0 | 442 | ... | 28·71 | 179 | 130 |
| D | B'gham (Erdington, Spring La.) (+A) | City Engineer | 8 | 1 0 | 386 | ... | 28·05 | 180 | 134 |
| D | Minworth Greaves | Birmingham Drainage Board | 5 | 1 0 | 258 | 24·3 | 25·50 | 176 | 131 |
| D | Birmingham (Walsall Road) | P. J. Harris, Esq., B.Sc. | 5 | 1 0 | 450 | ... | 29·37 | 189 | 133 |
| D | Nuneaton (Pumping Station) | G. Ashton, Esq., C.E. | 5 | 1 3 | 269 | ... | 28·66 | 187 | 133 |
| d | Sutton Coldfield (Maney) | J. S. Matthewman, Esq. | 5 | 0 9 | 400 | ... | 28·41 | 195 | 136 |
| D | Perry Barr Reservoir | C. A. Risbridger, Esq., C.E. | 5 | 1 0 | 515 | ... | 28·06 | 188 | 138 |
| d | Hartshill (Maintenance Depot) | Docks & Inland Waterways | 5 | 3 0 | 304 | ... | 27·77 | ... | ... |
| D | Sutton Coldfield (The Park) | Borough Surveyor | 5 | 1 0 | 370 | 26·4 | 28·02 | 174 | 136 |

## DIVISION VII—NORTH MIDLAND COUNTIES

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | **LEICESTERSHIRE. (Area, 824 sq. mi.)** | | | | | | | | |
| | **1.—SEVERN. Upper Avon. 41 sq. mi.** | | | | | | | | |
| D | South Kilworth (Stanford Reservoir) | Borough Engineer | 5 | 1 0 | 360 | 26·5 | 25·65 | 197 | 130 |
| D | Welford Reservoir | Docks & Inland Waterways | 5 | 2 0 | 425 | 25·1 | 27·16 | 229 | 138 |
| d | North Kilworth (Waterworks) | Market Harborough U.D.C. | 5 | 1 0 | 490 | ... | 25·43 | ... | ... |
| d | Lutterworth (Waterworks) | Surveyor | 8 | 1 9 | 365 | 25·9 | 25·75 | ... | ... |
| | **2.—WELLAND. 96 sq. mi.** | | | | | | | | |
| d | Market Harborough (Nithsdale Ave.) | Mrs. Heggs | 5 | 1 2 | 230 | ... | 25·26 | ... | ... |

## DIVISION VII—NORTH MIDLAND COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1952 Rainfall | 1952 Days with ·01 in. or more | 1952 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **LEICESTERSHIRE—(*contd.*).** | | *in.* | *ft.* *in.* | *ft.* | *in.* | *in.* | | |
| | **2.—WELLAND—(*contd.*).** | | | | | | | | |
| d | Market Harborough (Coventry Road) | G. C. Wooldridge, Esq. ... | 5 | 1 0 | 270 | ... | 25·56 | ... | 124 |
| D | Market Harborough (Grammar Sch.) | Headmaster ... ... ... | 5 | 1 2 | 345 | ... | 24·30 | 176 | 124 |
| D | Kibworth Harcourt ... ... ... | Major A. E. Briggs ... | 8 | 1 2 | 408 | ... | 25·48 | 155 | 138 |
| D | Caldecott (Eye Brook Reservoir) (+A) | Corby & District Water Co. | 8 | 1 3 | 180 | 23·8 | 22·61 | 177 | 122 |
| | **3.—WITHAM. 7 sq. mi.** | | | | | | | | |
| | **4.—TRENT. Right Bank Tributaries. 680 sq. mi.** | | | | | | | | |
| D | Frolesworth ... ... ... ... | W. P. Widdowson, Esq. ... | 5 | 1 0 | 370 | 25·3 | 26·06 | 194 | 121 |
| D | Hinckley (Bowling Green Road) | ... S. Webster, Esq. ... ... | 5 | 1 0 | 400 | 26·2 | 25·88 | 180 | 128 |
| D | Wistow Hall Gardens ... ... | ... Lord Cottesloe, C.B. ... | 5 | 1 0 | 309 | 23·6 | 26·95 | 178 | 140 |
| D | Countesthorpe (Wigston Sewage Fm.) | Surveyor ... ... ... | 8 | 0 9 | 257 | 22·8 | 25·64 | 191 | 137 |
| d | Leicester (London Road) ... | ... L. Herbert, Esq. ... ... | 5 | 1 0 | 300 | ... | 26·07 | ... | 119 |
| D | Leicester (Stoughton Drive North) | ... M. Murray, Esq. ... ... | 5 | 1 0 | 240 | ... | 24·98 | 182 | 128 |
| D | *Leicester (De Montfort Square) (+A) | City Engineer ... ... | 5 | 1 0 | 250 | ... | 23·60 | 180 | 124 |
| D | Leicester (Hinckley Road Nurseries) | ... E. A. Bonser, Esq. ... | 5 | 1 0 | 212 | ... | 23·28 | 183 | 124 |
| D | Leicester (Woodville Road) ... | ... E. A. Bonser, Esq. ... ... | 5 | 1 0 | 200 | ... | 23·54 | 189 | 124 |
| D | LEICESTER (Towers Hospital) ... | ... Management Committee ... | 8 | 1 0 | 266 | 24·2 | 26·78 | 173 | 137 |
| D | Leicester (Gilroes Cemetery) ... | ... City Engineer ... ... | 5 | 1 0 | 294 | ... | 23·70 | 160 | 128 |
| D | Osbaston Hall ... ... ... | ... Sir Thomas Cope, Bart. ... | 5 | 1 0 | 390 | ... | 25·52 | 190 | 132 |
| D | Thornton Reservoir ... ... | ... Leicester Waterworks ... | 8 | 1 2 | 370 | 26·2 | 25·39 | 171 | 126 |
| D | Cropston Reservoir ... ... | ... Leicester Waterworks ... | 8 | 1 0 | 245 | 27·2 | 27·21 | 196 | 139 |
| d | Barkby Hall ... ... ... | ... Victor R. Pochin, Esq. ... | 5 | 1 0 | 227 | 24·5 | 22·75 | ... | ... |
| D | Ulverscroft (Chitterman House) | ... C. Booth, Esq. ... ... | 5 | 0 11 | 666 | ... | 29·22 | 223 | 149 |
| D | Netherseal (Chilcote) ... ... | ... R. A. Robertson, Esq., C.E. | 5 | 1 0 | 240 | ... | 21·75 | 166 | 121 |
| D | Swithland Reservoir ... ... | ... Leicester Waterworks ... | 8 | 1 0 | 171 | 26·0 | 26·62 | 191 | 138 |
| D | Melton Mowbray (White Lodge) | ... H. K. Barker, Esq.... ... | 5 | 1 0 | 237 | 22·9 | 21·78 | 163 | 113 |
| D | Charnwood Forest (Blackbrook Res.) | W. Granger, Esq., C.E. ... | 5 | 1 0 | 379 | 26·4 | 24·50 | 181 | 143 |
| D | Loughborough (Nanpantan Res.) (+A) | W. Granger, Esq., C.E. ... | 5 | 1 0 | 269 | 26·1 | 25·22 | 168 | 126 |
| D | Loughborough (Fairmount Drive) | ... B. N. Wale, Esq., B.Sc. ... | 5 | 1 0 | 210 | ... | 23·14 | 178 | 120 |
| D | Loughborough (The Widenings) | ... Mrs. Adeline Butler ... | 5 | 1 0 | 197 | 24·5 | 25·30 | 192 | 138 |
| D | Loughborough (Sewage Farm) | ... W. Granger, Esq., C.E. ... | 8 | 1 0 | 135 | 23·1 | 23·66 | 152 | 120 |
| d | Prestwold Hall Gardens ... | ... Mr. L. Brightwell ... ... | 8 | 1 0 | 209 | 24·7 | 25·20 | ... | ... |
| | Scalford ... ... ... ... | ... Melton Mowbray U.D.C. | 8 | 0 10 | 343 | ... | 25·10 | ... | ... |
| D | Waltham-on-the-Wolds ... | ... V. E. Higgens, Esq. ... | 5 | 1 0 | 570 | ... | 23·46 | 185 | 120 |
| | **RUTLAND. Area, 152 sq. mi.)** | | | | | | | | |
| | **1.—WELLAND. 125 sq. mi.** | | | | | | | | |
| D | Ketton ... ... ... ... .. | Mrs. K. Burroughes ... | 5 | 1 0 | 106 | ... | 23·44 | 176 | 127 |
| d | Oakham School ... ... ... | R. G. Henton, Esq. ... | 5 | 1 0 | 350 | ... | 20·28 | ... | 122 |
| D | COTTESMORE Airfield ... ... (+A) | Meteorological Office ... | 5 | 1 0 | 440 | ... | 22·19 | 171 | 118 |
| | **2.—WITHAM. 5 sq. mi.** | | | | | | | | |
| | **3.—TRENT. Right Bank Tributaries 22 sq. mi.** | | | | | | | | |
| | **LINCOLNSHIRE. (Area, 2,645 sq. mi.)** | | | | | | | | |
| | **1.—NENE. 99 sq. mi.** | | | | | | | | |
| D | Tydd (North Level Sluice) ... ... | Mr. S. Watson ... ... | 5 | 1 0 | 10 | 23·3 | 24·56 | 209 | 122 |
| d | Sutton St. James (Clifton's Bridge) | ... S. Holland Drainage Board | 5 | 1 0 | 8 | ... | 19·11 | ... | 114 |
| D | Sutton Bridge ... ... ... | ... S. Holland Drainage Board | 5 | 1 0 | 21 | ... | 21·35 | 185 | 133 |
| d | Sutton Bridge (Wingland Grange) | ... A. H. Cooke, Esq.... ... | 5 | 1 0 | ... | ... | 19·35 | ... | ... |
| d | Spalding (Weston St. Mary) ... | ... S. Holland Drainage Board | 5 | 1 0 | 10 | ... | 19·13 | ... | 115 |

* Gauge sheltered.

## DIVISION VII—NORTH MIDLAND COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1952 Rainfall | 1952 Days with ·01 in. or more | 1952 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | LINCOLNSHIRE—(*contd.*). | | *in.* | *ft.* *in.* | *ft.* | *in.* | *in.* | | |
| | **2.—WELLAND. 341 sq. mi.** | | | | | | | | |
| D | Market Deeping (Wilsthorpe) | F.J.Smith,Esq.,M.B.E.,C.E. | 8 | 1 0 | 51 | *20·9* | 18·62 | 156 | 102 |
| d | Barholm | W. Thurlby, Esq. | 5 | 1 2 | 45 | ... | 19·58 | ... | ... |
| D | Deeping St. Nicolas | T. R. Pick, Ltd. | 5 | 0 9 | 13 | ... | 22·43 | 158 | 125 |
| D | Careby (School House) | R. Barbary, Esq. | 5 | 1 0 | 150 | ... | 20·50 | 159 | 115 |
| D | Spalding (Pode Hole) | S. Holland Drainage Board. | 8 | 1 3 | 12 | 23·5 | 22·74 | 208 | 121 |
| D | Bourne (Guthram) | L. I. Clark, Esq., C.E. | 5 | 1 0 | 3 | *21·1* | 20·37 | 151 | 120 |
| D | Holbeach (Manor Farm) | F. H. Bowser, Esq. | 5 | 2 1 | 10 | ... | 20·66 | 157 | 119 |
| D | Holbeach (Willow Tree Farm) | F. H. Bowser, Esq. | 5 | 2 1 | 10 | ... | 20·20 | 167 | 119 |
| | **3.—WITHAM & C. 1,085 sq. mi.** | | | | | | | | |
| D | Denton | Culverthorpe Dairy Farms | 5 | 1 6 | 300 | ... | 23·91 | 153 | 111 |
| d | Billingborough | N. Hodgkinson, Esq. | 5 | 0 10 | 50 | ... | 21·68 | ... | ... |
| D | Grantham (Saltersford Pump Stn.) | Manager | 5 | 0 6 | 188 | *24·1* | 21·24 | 164 | 116 |
| D | Kirton | W. Dennis & Sons, Ltd. | 5 | 1 0 | 12 | ... | 21·61 | 186 | 124 |
| d | Culverthorpe Hall | Lt.-Col. F. E. S. Bowlby, M.C. | 8 | 1 2 | 116 | ... | 21·28 | ... | ... |
| D | Wyberton (Tytton Hall) | L. I. Clark, Esq., C.E. | 5 | 1 0 | 10 | ... | 22·75 | 179 | 113 |
| D | Wyberton (Slippery Gowt Farm) | J. T. Cannon, Esq. | 5 | 1 0 | 10 | ... | 21·33 | 187 | 120 |
| D | Boston (Black Sluice, Skirbeck) | F. H. Tomes, Esq. | 8 | 1 3 | 11 | 22·8 | 21·61 | 173 | 111 |
| D | Boston (Cooks Lock) | L. I. Clark, Esq., C.E. | 5 | 1 7 | 11 | ... | 21·41 | 166 | 115 |
| D | Boston (Church Road Pump. Stn.) | (+A) Borough Surveyor | 5 | 1 0 | 8 | ... | 21·66 | 157 | 112 |
| D | BOSTON (Freiston Road) | N. H. Middlebrook, Esq. | 5 | 1 0 | 16 | ... | 22·09 | 181 | 113 |
| D | Boston (Grand Sluice) | F. H. Tomes, Esq. | 8 | 0 9 | 17 | *22·9* | 21·11 | 163 | 111 |
| D | Boston (Amber Hill) | G. Graves, Esq. | 5 | 1 0 | 18 | ... | 21·23 | 152 | 110 |
| D | Boston (Cowbridge) | G. E. Buchner, Esq., C.E. | 5 | 1 0 | 9 | ... | 19·41 | 158 | 99 |
| d | Old Leake (Leverton) | G. E. Buchner, Esq., C.E. | 5 | 1 3 | 10 | ... | 19·90 | ... | ... |
| D | CRANWELL Airfield | (+A) Meteorological Office | 8 | 1 0 | 203 | 23·2 | 19·94 | 156 | 108 |
| d | Carrington (Hakerley Bridge Farm) | T. R. Pick, Ltd. | 5 | 1 0 | 12 | ... | 19·93 | ... | ... |
| d | Ruskington | B. E. Brighton, Esq. | 5 | 1 7 | 30 | ... | 18·89 | ... | ... |
| d | Sibsey (Ivydene) | J. T. Allewell, Esq. | 5 | 1 0 | 20 | ... | 21·21 | ... | ... |
| D | Wildmore | G. E. Buchner, Esq., C.E. | 5 | 1 0 | 12 | ... | 19·74 | 168 | 116 |
| d | New Leake (Lade Bank Engine) | G. E. Buchner, Esq., C.E. | 5 | 1 3 | 13 | *22·6* | 19·02 | ... | ... |
| D | Carrington Grange | J. Ward, Esq. | 5 | 4 0 | 15 | *23·4* | 23·09 | 163 | 130 |
| d | Norton Disney (The Vicarage) | Rev. R. K. Roper | 5 | 1 0 | 41 | ... | 19·08 | ... | ... |
| D | East Kirkby Manor | Capt. R. S. Fieldsend | 5 | 1 0 | 35 | *23·8* | 22·00 | 184 | 126 |
| D | Revesby Reservoir | D. H. Ball, Esq. | 5 | 2 0 | 124 | 24·5 | 22·27 | 162 | 117 |
| d | Woodhall Spa (Waterworks) | Clerk to the Council | 5 | 1 6 | 45 | ... | 21·36 | ... | 110 |
| D | WADDINGTON Airfield | (+A) Meteorological Office | 5 | 1 0 | 233 | ... | 19·58 | 161 | 107 |
| D | Potterhanworth (Old Hall) | T. H. N. Battle, Esq. | 5 | 0 10 | 50 | ... | 20·61 | 177 | 121 |
| D | Horncastle | F. J. Harvey, Esq. | 5 | 1 0 | 120 | *24·8* | 24·41 | 184 | 116 |
| D | Lincoln (Swallowbeck) | W. R. Pennell, Esq. | 8 | 1 0 | 34 | *22·9* | 19·44 | 169 | 111 |
| D | Bardney (Sugar Factory) | British Sugar Corp., Ltd. | 5 | 1 0 | 17 | ... | 19·47 | 152 | 107 |
| D | Lincoln (Skellingthorpe Hall) | Mrs. Bergne-Coupland | 5 | 1 0 | 40 | 23·1 | 17·53 | 148 | 102 |
| D | Lincoln (Pyewipe Pumping Stn.) | J. Barnatt, Esq., C.E. | 5 | 1 0 | 16 | ... | 19·01 | 171 | 108 |
| D | LINCOLN (West Common) | (+A) City Engineer & Surveyor | 5 | 1 0 | 25 | ... | 19·66 | 183 | 111 |
| D | Lincoln (Burton Road) | G. W. Valley, Esq. | 5 | 1 6 | 250 | ... | 22·53 | 201 | 109 |
| D | Lincoln (Saxilby) | J. Barnatt, Esq., C.E. | 5 | 1 6 | 25 | ... | 19·10 | 185 | 109 |
| d | Sudbrooke (The Manor House) | Miss A. M. Scorer | 5 | 1 0 | 55 | ... | 18·17 | ... | ... |
| D | Dunholme (Field Station) | Dr. R. Hull | 5 | 0 9 | 100 | ... | 20·57 | 164 | 117 |
| D | Hackthorn Hall | Lt.-Col. W. Cracroft-Amcotts | 5 | 4 10 | 102 | *23·2* | 23·75 | 172 | 134 |
| | **4.—GREAT EAU & C. 443 sq. mi.** | | | | | | | | |
| d | Eastville | G. E. Buchner, Esq., C.E. | 5 | 1 3 | 3 | ... | 19·93 | ... | ... |
| D | Firsby | G. E. Buchner, Esq., C.E. | 5 | 1 0 | 26 | ... | 21·73 | 180 | 120 |
| D | SKEGNESS (Marine Gardens) | Surveyor | 8 | 1 0 | 15 | 23·3 | 18·96 | 150 | 117 |
| D | Hagworthingham (Manor House) | G. W. Clark, Esq. | 5 | 1 0 | 200 | *27·2* | 22·20 | 174 | 129 |
| d | Spilsby (Fordington Waterworks) | D. H. Ball, Esq. | 5 | 1 6 | 180 | ... | 23·28 | ... | 118 |

## DIVISION VII—NORTH MIDLAND COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge: Diam. | Rain-gauge: Height of Rim above Ground | Rain-gauge: Height of Ground above Sea Level | Average Rainfall | 1952: Rainfall | 1952: Days with ·01 in. or more | 1952: Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | LINCOLNSHIRE—(*contd.*). | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **4.—GREAT EAU & C.—(*contd.*).** | | | | | | | | |
| d | Anderby (Pumping Station) ... ... | L. C. Fillenham, C.E. ... | 5 | 2 3 | 9 | ... | 29·96 | ... | ... |
| D | MANBY Airfield ... ... ... | Meteorological Office ... | 5 | 1 0 | 55 | ... | 21·81 | 167 | 116 |
| D | Wold Newton Manor ... ... ... | W. Maurice Wright, Esq. ... | 5 | 1 6 | 230 | *27·2* | 26·08 | 180 | 137 |
| D | Grainthorpe (County School)... ... | Headmaster ... ... ... | 5 | 1 0 | 9 | ... | 22·26 | 188 | 119 |
| | **5.—HUMBER. Right Bank Tributaries. 428 sq. mi.** | | | | | | | | |
| D | Claxby (Osqodby) ... ... ... | Lincs River Board ... | 5 | 1 0 | 70 | ... | 22·39 | 171 | 123 |
| D | Brigg (Scawby Hall) ... ... ... | Col. O. S. Nelthorpe, C.B.E. | 5 | 1 0 | 40 | ... | 20·17 | 178 | 116 |
| D | Brigg (Sugar Factory) ... ... ... | British Sugar Corpn. Ltd. ... | 5 | 1 0 | 134 | ... | 20·81 | 173 | 115 |
| D | Brigg (Wrawby Road) ... ... | A. R. Haynes, Esq.... ... | 5 | 1 1 | 22 | 24·8 | 21·37 | 158 | 121 |
| D | Cleethorpes (Outfall Pumping Stn.) ... | Engineer and Surveyor ... | 8 | 1 0 | 25 | ... | 20·91 | 160 | 121 |
| D | Cleethorpes (Sidney Park) ... ... | Borough Engineer ... ... | 8 | 1 0 | 11 | ... | 20·38 | 178 | 122 |
| D | CLEETHORPES (Kings Parade) ... ... | Engineer & Surveyor ... | 5 | 1 0 | 23 | 24·0 | 21·93 | 169 | 127 |
| D | Grimsby (Little Coates Pumping Stn.) | Engineer & Manager ... | 5 | 1 0 | 14 | ... | 22·94 | 169 | 126 |
| D | Brocklesby Park ... ... ... | Head Gardener ... ... | 5 | 1 9 | 50 | *27·0* | 22·71 | 157 | 119 |
| D | HABROUGH (Home Farm) ... ... | R. J. Blakeborough, Esq. ... | 5 | 1 0 | 50 | ... | 21·39 | 163 | 124 |
| D | Immingham (Compressor Station) ... | Grimsby R.D.C. ... ... | 5 | 1 1 | 13 | ... | 20·42 | 149 | 110 |
| D | Normanby ... ... ... ... | Major E. C. R. Sheffield ... | 5 | 1 0 | 185 | ... | 23·20 | 159 | 112 |
| D | Ferriby Sluice ... ... ... ... | K. Straw, Esq. ... ... | 5 | 1 0 | 18 | *24·5* | 19·23 | 150 | 101 |
| | **6.—TRENT. Right Bank Tributaries. 172 sq. mi.** | | | | | | | | |
| d | Woolsthorpe ... ... ... ... | Docks & Inland Waterways | 5 | 1 3 | 182 | *23·4* | 21·15 | ... | ... |
| D | Torksey (Pumping Station) ... ... | R. Spencer, Esq. ... ... | 8 | 1 6 | 16 | *23·2* | 17·42 | 152 | 103 |
| D | Gate Burton Hall ... ... ... | Mr. J. Reader ... ... | 5 | 4 0 | 97 | *23·1* | 18·61 | 135 | 103 |
| d | Scunthorpe (Brumby Sec. Mod. Sch.) | Headmaster ... ... ... | 5 | 2 0 | 100 | ... | 20·55 | 136 | 107 |
| | **7.—TRENT. Left Bank Tributaries. 77 sq. mi.** | | | | | | | | |
| d | Wroot (S. Level Pumping Station) ... | W. H. Haile, Esq., C.E. ... | 5 | 1 6 | 7 | ... | 17·44 | ... | ... |
| d | West Butterwick (Croft House) ... | West Butterwick Drain. Bd. | 5 | ... ... | 20 | ... | 18·72 | ... | ... |
| d | Crowle (N. Level Pumping Station) ... | W. H. Haile, Esq., C.E. ... | 5 | 2 0 | 10 | *22·0* | 19·33 | ... | ... |
| | NOTTINGHAMSHIRE. (Area, 843 sq. mi.) | | | | | | | | |
| | **1.—WITHAM. 10 sq. mi.** | | | | | | | | |
| | **2.—TRENT. Right Bank Tributaries. 218 sq. mi.** | | | | | | | | |
| D | SUTTON BONNINGTON ... ... ... | Univ.of Nottingham,Sc.ofAg. | 5 | 1 0 | 157 | 21·7 | 20·89 | 187 | 113 |
| D | Wysall (Wyn Hill) ... ... ... | J. D. Walker, Esq. ... ... | 5 | 1 0 | 283 | ... | 20·32 | 167 | 119 |
| d | Nottingham (Wilford Hill Reservoir) | B. W. Davies, Esq., C.E. ... | 8 | 1 0 | 295 | 23·1 | 20·81 | 168 | 110 |
| d | West Bridgford ... ... ... ... | Engineer & Surveyor ... | 5 | 1 0 | 80 | ... | 21·62 | ... | ... |
| D | Newark (The Friary) ... ... ... | W. P. Shewell, Esq., C.E. ... | 5 | 2 0 | 48 | 23·4 | 19·94 | 154 | 114 |
| d | Kelham (Sugar Factory) ... ... | British Sugar Corpn. Ltd. | 5 | 1 0 | 40 | ... | 17·74 | 130 | 105 |
| | **3.—TRENT. Derwent. 2 sq. mi.** | | | | | | | | |
| | **4.—TRENT. Erewash. 42 sq. mi.** | | | | | | | | |
| D | Nottingham (Strelley) ... ... ... | Miss Edge ... ... ... | 8 | 1 0 | 396 | 26·2 | 26·03 | 179 | 115 |
| D | Nottingham (STRELLEY Hall) ... ... | Miss Edge ... ... ... | 5 | 1 0 | 378 | ... | 25·61 | 171 | 114 |
| D | Eastwood (Waterworks) ... ... | B. W. Davies, Esq., C.E. ... | 8 | 1 3 | 243 | 25·9 | 25·63 | 166 | 127 |
| d | Eastwood Hall ... ... ... ... | National Coal Board ... | 5 | 0 6 | 218 | ... | 24·76 | ... | ... |
| d | Eastwood (Moorgreen (Reservoir) ... | Docks & Inland Waterways | 5 | 2 0 | 301 | 27·4 | 25·78 | 162 | 120 |
| | **5.—TRENT. Left Bank Tributaries. 569 sq. mi.** | | | | | | | | |
| d | Beeston (Standards Laboratory) ... | Boots Pure Drug Co. ... | 5 | 1 6 | 85 | ... | 24·30 | ... | ... |
| d | Beeston (Council Depot) ... ... | G. C. Hardy, Esq. ... | 8 | 1 7 | 97 | 24·5 | 22·91 | 146 | 112 |
| D | Beeston (Bramcote Drive) ... ... | H. E. Sanson, Esq. | 5 | 0 10 | 149 | ... | 25·75 | 186 | 121 |

## DIVISION VII—NORTH MIDLAND COUNTIES—(*contd.*)

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|---|---|---|---|---|---|---|---|---|---|
| | **NOTTINGHAMSHIRE—(*contd.*).** | | *in.* | *ft.* | *ft.* | *in.* | *in.* | | |
| | **5.—TRENT. Left Bank Tributaries.—(*contd.*).** | | | | | | | | |
| d | Bramcote Reservoir | B. W. Davies, Esq., C.E. | 8 | 1 0 | 327 | ... | 23·03 | ... | ... |
| D | Lenton (Experimental Station) | Boots Pure Drug Co. | 5 | 1 0 | 160 | ... | 21·23 | 166 | 108 |
| D | Nottingham (Sneinton P.S.) (+A) | City Engineer & Surveyor | 8 | 1 0 | 83 | 22·5 | 22·42 | 156 | 113 |
| D | *NOTTINGHAM (The Castle) | City Engineer & Surveyor | 8 | 1 0 | 192 | 23·6 | 22·91 | 161 | 117 |
| d | Nottingham (Colwick Sugar Factory) | British Sugar Corpn. Ltd. | 5 | 0 9 | 70 | ... | 21·56 | ... | ... |
| d | Nottingham (Colwick Hill Reservoir) | B. W. Davies, Esq., C.E. | 8 | 1 0 | 314 | ... | 20·99 | ... | ... |
| D | Nottingham (Stoke Bardolph) | City Engineer & Surveyor | 8 | 1 0 | 66 | 22·6 | 20·99 | 159 | 114 |
| D | Nottingham (Aspley) | G. Cawkwell, Esq. | 5 | 1 0 | 172 | ... | 25·64 | 152 | 116 |
| D | Nottingham (Basford Waterworks) | B. W. Davies, Esq., C.E. | 8 | 1 0 | 168 | 24·0 | 24·78 | 168 | 125 |
| D | Burton Joyce (Waterworks) | B. W. Davies, Esq., C.E. | 8 | 1 0 | 65 | 25·2 | 21·87 | 167 | 114 |
| D | Nottingham (Woodthorpe) | A. B. Tinn, Esq., F.R.Met.S. | 5 | 1 0 | 225 | 24·0 | 24·12 | 173 | 122 |
| d | Daybrook (Red Hill Reservoir) | B. W. Davies, Esq., C.E. | 8 | 1 0 | 404 | 25·7 | 24·39 | 206 | 123 |
| d | Daybrook (Ramsdale Hill Reservoir) | B. W. Davies, Esq., C.E. | 8 | 1 0 | 504 | 28·1 | 25·20 | 193 | 132 |
| D | Bulwell Hall Park | City Engineer & Surveyor | 8 | 1 0 | 252 | 27·3 | 27·84 | 182 | 127 |
| D | WATNALL (+A) | Meteorological Office | 5 | 1 0 | 366 | ... | 26·82 | 171 | 119 |
| D | Papplewick (Waterworks) | B. W. Davies, Esq., C.E. | 8 | 1 0 | 317 | 26·5 | 25·41 | 180 | 122 |
| D | Southwell (The Nurseries) | H. Merryweather & Sons Ltd. | 5 | 1 0 | 125 | ... | 21·77 | 169 | 120 |
| D | Sutton-in-Ashfield (Rushley P.S.) | P. W. Berridge, Esq. | 5 | 1 0 | 425 | 27·1 | 27·37 | 159 | 124 |
| D | Sutton-in-Ashfield (Sewage Wks.) (+A) | A. G. Dunks, Esq. | 5 | 1 0 | 456 | 28·9 | 24·40 | 171 | 126 |
| D | Mansfield (Rainworth Waterworks) | Engineer & Manager | 5 | 0 9 | 349 | 26·8 | 24·05 | 172 | 121 |
| D | Bilsthorpe (Rufford Pumping Station) | B. W. Davies, Esq., C.E. | 8 | 1 0 | 277 | ... | 22·42 | 180 | 117 |
| D | MANSFIELD (Carr Bank) | Borough Surveyor | 8 | 0 10 | 357 | 27·9 | 23·04 | 151 | 119 |
| D | Clipstone (Waterworks) | Engineer & Manager | 8 | 1 0 | 228 | 24·9 | 22·73 | 173 | 119 |
| d | Edwinstowe (Laboratory) | National Coal Board | 5 | 1 0 | 215 | ... | 21·43 | ... | ... |
| D | Ollerton (Boughton Waterworks) | B. W. Davies, Esq., C.E. | 8 | 1 0 | 141 | 24·0 | 20·01 | 146 | 110 |
| D | Budby | H. McAdoo, Esq. | 5 | 1 0 | 160 | ... | 19·91 | 180 | 115 |
| D | WARSOP (GLEADTHORPE E.H. FARM) | Director | 5 | 1 0 | 150 | ... | 19·57 | 161 | 111 |
| | Tuxford (Lound Hall) | Mr. C. W. Holliday | 5 | 1 3 | 50 | ... | 17·23 | ... | ... |
| D | Welbeck Abbey | The Duke of Portland | 8 | 1 0 | 196 | ... | 19·29 | 167 | 113 |
| | Elkesley (Pumping Station) | Lincoln Waterworks | 5 | 1 0 | 120 | 23·2 | 18·47 | ... | ... |
| D | Worksop (Bracebridge Sewage Works) | C. O. Allsopp, Esq. | 8 | 1 0 | 97 | 23·9 | 18·34 | 159 | 110 |
| d | Worksop (Osberton Gardens) | Capt. R. H. Walker | 5 | 1 6 | 85 | 22·8 | 17·83 | 122 | 97 |
| D | Worksop (Sunnyside Waterworks) | C. O. Allsopp, Esq. | 8 | 1 0 | 245 | ... | 19·58 | 157 | 100 |
| d | Retford (Sewage Disposal Works) | Borough Surveyor | 5 | 1 0 | 74 | ... | 15·88 | ... | 98 |
| D | Retford (Babworth Hall) | Maj.-Gen. Sir John Whitaker | 5 | 1 3 | 98 | 22·9 | 17·32 | 165 | 100 |
| D | Worksop (Wigthorpe Hill) | R. C. P. Ramsden, Esq. | 5 | 1 0 | 100 | 23·3 | 18·83 | 153 | 104 |
| D | Gringley Carr (Pumping Station) | G. H. Simmons, Esq. | 5 | 1 0 | 21 | ... | 17·90 | 166 | 107 |
| | **6.—OUSE. Don. 2 sq. mi.** | | | | | | | | |
| | **DERBYSHIRE. (Area, 1,017 sq. mi.)** | | | | | | | | |
| | **1.—MERSEY. UPPER. 93 sq. mi.** | | | | | | | | |
| M | §Buxton (Goyts Moss) | Stockport Corporation W.W. | 5 | 1 0 | 1410 | 51·1 | 50·96 | ... | ... |
| M | Buxton (Cat and Fiddle Inn) | Stockport Corporation W.W. | 5 | 1 0 | 1610 | 53·7 | 52·23 | ... | ... |
| M | §Buxton (Berry Clough) | Stockport Corporation W.W. | 5 | 1 0 | 1550 | ... | 53·12 | ... | ... |
| D | §Buxton (Goytsclough) | Stockport Corporation W.W. | 5 | 1 0 | 1175 | 52·8 | 55·66 | 212 | 175 |
| D | §Buxton (Goytshead) | Stockport Corporation W.W. | 5 | 1 0 | 925 | 49·1 | 51·27 | 213 | 172 |
| M | §Buxton (Longhill) | Stockport Corporation W.W. | 5 | 1 0 | 1390 | 48·8 | 49·48 | ... | ... |
| M | Buxton (Embridge) | Stockport Corporation W.W. | 5 | 1 0 | 1430 | 48·9 | 53·95 | ... | ... |
| D | §Fernilee (Upper Hall) | Stockport Corporation W.W. | 5 | 1 0 | 940 | 44·9 | 46·05 | 212 | 168 |
| D | §Taxal (Oldfield) | Stockport Corporation W.W. | 5 | 1 0 | 820 | 45·4 | 47·69 | 215 | 165 |
| M | §Taxal (Blackhillgate) | Stockport Corporation W.W. | 5 | 1 0 | 1190 | 43·5 | 45·77 | ... | ... |
| D | Chapel-en-le-Frith (Ford Hall) | F. E. G. Bagshawe, Esq. | 5 | 0 5 | 900 | ... | 43·50 | 214 | 162 |
| D | Chapel-en-le-Frith (Chinley) | J. A. Simpson, Esq. | 5 | 1 0 | 850 | ... | 41·05 | 206 | 154 |

* Exposure unorthodox in certain directions. § Turf wall round gauge.

## DIVISION VII—NORTH MIDLAND COUNTIES—(*contd.*)

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|---|---|---|---|---|---|---|---|---|---|
| | DERBYSHIRE—(*contd.*). | | *in.* | *ft.* | *in.* *ft.* | *in.* | *in.* | | |
| | **1.—MERSEY. Upper.—(*contd.*)** | | | | | | | | |
| M | §Hayfield (Dimpus Clough) ... ... | Stockport Corporation W.W. | 5 | 1 | 0 1250 | 46·9 | 45·78? | ... | ... |
| M | §Hayfield (Upper Sett) ... ... ... | Stockport Corporation W.W. | 5 | 1 | 0 1420 | 49·5 | 49·38 | ... | ... |
| M | §Hayfield (Tunstead Clough) ... ... | Stockport Corporation W.W. | 5 | 1 | 0 1125 | 43·3 | 44·97 | ... | ... |
| M | Hayfield (Red Brook) ... ... ... | Stockport Corporation W.W. | 5 | 1 | 0 1950 | 56·8 | 52·93 | ... | ... |
| M | §Hayfield (Kinder Source) ... ... | Stockport Corporation W.W. | 5 | 1 | 0 2050 | 60·5 | 59·23 | ... | ... |
| D | §Hayfield (Kinder Filters) ... (+A) | Stockport Corporation W.W. | 5 | 1 | 0 800 | 45·5 | 44·34 | 207 | 165 |
| M | §Hayfield (Upper Moor) ... ... | Stockport Corporation W.W. | 5 | 1 | 0 1280 | 49·0 | 49·30 | ... | ... |
| D | §Hayfield (Hollin Head) ... ... | Stockport Corporation W.W. | 5 | 1 | 0 950 | 49·8 | 48·70 | 204 | 178 |
| M | §Hayfield (Middle Moor) ... ... | Stockport Corporation W.W. | 5 | 1 | 0 1170 | 45·7 | 46·25 | ... | ... |
| M | Hayfield (Sandy Heys) ... ... | Stockport Corporation W.W. | 5 | 1 | 0 2040 | 56·7 | 57·20 | ... | ... |
| M | §Hayfield (Leygatehead Moor)... ... | Stockport Corporation W.W. | 5 | 1 | 0 1530 | 46·3 | 46·85 | ... | ... |
| M | §Hayfield (Mill Hill) ... ... ... | Stockport Corporation W.W. | 5 | 1 | 0 1625 | 47·0 | 49·15 | ... | ... |
| D | Glossop Waterworks (Swineshaw) ... | Geo. Faulds, Esq., C.E. ... | 5 | 3 | 0 733 | 43·2 | 43·19 | 209 | 163 |
| M | §Torside (Clough Edge) ... ... | Manchester Corp. W.W. ... | 5 | 1 | 0 1452 | 50·9 | 54·20 | ... | ... |
| M | Bleaklow Hill (Dowstone Rocks) ... | Manchester Corp. W.W. ... | 5 | 1 | 0 1718 | ... | 57·71 | ... | ... |
| M | §Bleaklow Hill (Far Black Clough) ... | Manchester Corp. W.W. ... | 5 | 1 | 0 1683 | 56·7 | 57·71 | ... | ... |
| | **2.—MERSEY. Weaver. 2 sq. mi.** | | | | | | | | |
| W | Buxton (Portobello Bar) ... ... | Borough Engineer ... ... | 8 | 1 | 0 1600 | 55·9 | 52·33 | ... | ... |
| | **3.—TRENT. Right Bank Tributaries. 68 sq. mi.** | | | | | | | | |
| d | Church Gresley (Maurice Lea Park) ... | Swadlincote U.D.C. ... | 5 | 1 | 0 400 | ... | 23·28 | ... | 127 |
| D | Stanton-by-Bridge (Waterworks) ... | Long Eaton U.D.C. ... | 8 | 1 | 2 144 | 24·2 | 22·99 | 188 | 122 |
| D | **4.—TRENT. Dove. 156 sq. mi.** | | | | | | | | |
| d | Rodsley (Pumping Station) ... ... | Engineer ... ... ... | 5 | 1 | 0 415 | 29·7 | 31·03 | ... | ... |
| | **5.—TRENT. Left Bank Tributaries. 84 sq. mi.** | | | | | | | | |
| D | Etwall (Blakeley Lodge) ... ... | C. H. Hawley, Esq. ... | 5 | 1 | 4 189 | 24·1 | 22·86 | 153 | 119 |
| D | Etwall (Sewage Farm) ... ... ... | Boro. Engineer & Surveyor | 5 | 1 | 8 201 | 25·2 | 23·67 | 181 | 132 |
| D | Mickleover (The Pastures Hospital) ... | Medical Superintendent ... | 5 | 0 | 9 320 | 24·4 | 21·67 | 155 | 123 |
| D | Chesterfield (Whaley Well) ... ... | A. Boothman, Esq., C.E. ... | 8 | 1 | 2 337 | ... | 19·85 | 160 | 107 |
| | **6.—TRENT. Derwent. 426 sq. mi.** | | | | | | | | |
| D | Derby (Littleover Crescent) ... ... | M. Matthews, Esq., F.R.Met.S. | 5 | 1 | 0 230 | ... | 23·44 | 187 | 119 |
| D | Spondon (Derby Sewage Works) ... | Borough Engineer, Derby | 5 | 1 | 3 135 | 25·5 | 23·53 | 159 | 114 |
| D | Derby (Park Grove) ... ... ... | John Davis & Son, Ltd. ... | 5 | 1 | 0 198 | ... | 24·91 | 165 | 124 |
| d | Derby (Railway) ... ... ... | British Railways ... ... | 5 | 1 | 0 156 | 25·1 | 26·65 | ... | ... |
| D | Derby (The Arboretum) ... ... | Borough Engineer ... ... | 5 | 1 | 0 196 | 26·2 | 23·36 | 158 | 111 |
| | Derby (Pear Tree School) ... ... | J. C. Hill,Esq. ... ... | 5 | 0 | 11 200 | ... | 25·71 | ... | ... |
| D | Derby (Markeaton Park) ... ... | Borough Engineer ... ... | 5 | 1 | 6 190 | ... | 24·99 | 160 | 121 |
| d | Breadsall Priory ... ... ... | E. S. Haslam, Esq. ... | 5 | 1 | 6 370 | ... | 25·60 | ... | 115 |
| D | MORLEY (Derbyshire Farm Inst.) ... | Warden ... ... ... | 8 | 1 | 0 350 | ... | 25·16 | 166 | 120 |
| D | Duffield (The Kirkstyles) ... ... | John Davis & Son, Ltd. ... | 5 | 1 | 0 235 | 28·3 | 27·89 | 174 | 133 |
| D | BELPER (Herbert Strutt SCHOOL) ... | Headmaster ... ... ... | 5 | 1 | 0 203 | 29·9 | 25·89 | 148 | 118 |
| D | Ambergate Reservoir ... No. 61 | Derwent Valley Water Bd. | 5 | 1 | 0 646 | ... | 31·78 | 157 | 125 |
| D | WIRKSWORTH (West End) ... ... | Alan D. G. Smith, Esq. ... | 5 | 1 | 0 560 | ... | 32·51 | 179 | 133 |
| D | Wirksworth (Wash Green) ... ... | Water Superintendent ... | 5 | 1 | 0 738 | ... | 30·76 | 170 | 131 |
| D | Whatstandwell (Meerbrook Sough) ... | Ilkeston & Heanor Water Bd. | 5 | 1 | 0 246 | 33·6 | 31·94 | 169 | 132 |
| D | Brackenfield (Lindway Reservoir) ... | F. P. Walters, Esq. ... | 5 | 1 | 6 595 | 31·9 | 27·41 | 157 | 127 |
| M | ‖Higham (Higham Cliffe) ... ... | G. R. Jackson, Esq. ... | 5 | 0 | 9 515 | ... | 23·57 | ... | ... |
| D | Bakewell (Ashford Road) ... ... | Miss P. M. Rhodes... ... | 5 | 0 | 10 500 | 33·1 | 34·34 | 218 | 139 |
| D | Clay Cross (Press Reservoirs) ... | P. Hothersall, Esq., M.B.E. | 8 | 1 | 0 810 | 31·7 | 26·14 | 155 | 122 |
| D | Chatsworth Gardens ... ... ... | Head Gardener ... ... | 5 | 1 | 0 436 | 34·7 | 29·55 | 183 | 133 |

‖ Gauge sheltered. § Turf wall round gauge.

## DIVISION VII—NORTH MIDLAND COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge: Diam. | Rain-gauge: Height of Rim above Ground | Rain-gauge: Height of Ground above Sea Level | Average Rainfall | 1952: Rainfall | 1952: Days with ·01 in. or more | 1952: Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **DERBYSHIRE—(*contd.*).** | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **6.—TRENT. Derwent—(*contd.*)** | | | | | | | | |
| D | Baslow (School Lane) ... ... ... | Mr. D. Lewis ... ... | 5 | 1 6 | 425 | 34·5 | 31·69 | 177 | 127 |
| D | Buxton (Stanley Moor) ... ... | Borough Engineer ... ... | 8 | 1 0 | 1340 | 52·1 | 52·86 | 220 | 172 |
| W | Buxton (Burbage Edge) ... ... | Borough Engineer ... ... | 8 | 1 0 | 1400 | 52·8 | 50·75 | ... | ... |
| D | Buxton (Ashwood Dale Sewage Works) | Manager ... ... ... | 5 | 3 0 | 1010 | ... | 45·96 | 228 | 164 |
| D | BUXTON (Terrace Slopes) ... ... | Town Clerk ... ... ... | 8 | 1 0 | 1007 | 48·4 | 48·88 | 218 | 162 |
| | Buxton (Green Fairfield) | No. 115 Derwent Valley Water Bd.... | 5 | 1 0 | 1120 | ... | 47·13 | ... | ... |
| M | Wormhill (Hargate Wall) | No. 109 Derwent Valley Water Bd.... | 5 | 1 0 | 1140 | ... | 42·80 | ... | ... |
| M | Tideswell ... ... | No. 111 Derwent Valley Water Bd.... | 5 | 1 0 | 1000 | ... | 40·68 | ... | ... |
| M | Tideswell (Wheston) ... | No. 112 Derwent Valley Water Bd.... | 5 | 1 0 | 1140 | ... | 40·25 | ... | ... |
| M | Tideswell (Stanley Lodge) | No. 114 Derwent Valley Water Bd.... | 5 | 1 0 | 910 | ... | 37·79 | ... | ... |
| M | Peak Forest (Middle Hill) | No. 104 Derwent Valley Water Bd.... | 5 | 1 0 | 1080 | ... | 43·41 | ... | ... |
| M | Peak Forest (White Rake) | No. 110 Derwent Valley Water Bd.... | 5 | 1 0 | 1220 | ... | 40·67 | ... | ... |
| M | Buxton (Dove Holes) ... | No. 103 Derwent Valley Water Bd.... | 5 | 1 0 | 1095 | ... | 46·08 | ... | ... |
| M | Little Hucklow ... | No. 107 Derwent Valley Water Bd.... | 5 | 1 0 | 1012 | ... | 43·09 | ... | ... |
| D | Peak Forest ... ... | No. 100 Derwent Valley Water Bd.... | 8 | 1 0 | 1050 | ... | 44·28 | 213 | 167 |
| M | Bradwell (Moss Rake Head) | No. 106 Derwent Valley Water Bd.... | 5 | 1 0 | 1435 | ... | 45·42 | ... | ... |
| M | Peak Forest (Eldon Hill) | No. 113 Derwent Valley Water Bd.... | 5 | 1 0 | 1350 | ... | 44·45 | ... | ... |
| M | Bradwell (Paradise Farm) | No. 108 Derwent Valley Water Bd.... | 5 | 1 0 | 1060 | ... | 43·62 | ... | ... |
| M | Castleton (Rowter Farm) | No. 105 Derwent Valley Water Bd.... | 5 | 1 0 | 1395 | ... | (46·28) | ... | ... |
| M | Rushup Edge ... ... | No. 101 Derwent Valley Water Bd.... | 5 | 1 0 | 1245 | ... | 48·44 | ... | ... |
| D | Bamford (Engineer's Office) | No. 60 Derwent Valley Water Bd. ... | 8 | 1 0 | 509 | 37·8 | 39·83 | 202 | 152 |
| D | Bamford Filters ... | No. 70A Derwent Valley Water Bd. ... | 8 | 1 0 | 660 | 39·1 | 37·59 | 200 | 147 |
| D | Holmesfield (Barbrook Reservoir) | ... P. Hothersall, Esq., M.B.E. | 8 | 1 0 | 1080 | 35·6 | 33·36 | 219 | 137 |
| M | Holmesfield (White Edge) ... | ... Sheffield Corporation W.W. | 5 | 1 0 | 1209 | ... | 34·34 | ... | ... |
| d | Burbage (Lower Burbage) | ... (+A) Sheffield Corporation W.W. | 8 | 1 0 | 924 | 36·2 | 33·39 | ... | ... |
| D | Hope (Cement Works) ... ... | G. & T. Earle Ltd. ... | 5 | 1 0 | 580 | ... | 38·74 | 175 | 148 |
| M | Dalehead ... ... | ...No. 97 Derwent Valley Water Bd. | 5 | 1 0 | 1030 | ... | 50·80 | ... | ... |
| M | Stanage (Redmires) ... ... | ... Sheffield Corporation W.W. | 5 | 1 0 | 1395 | 41·7 | 37·57 | ... | ... |
| d | Bamford (Yorkshire Br. Weir) | No. 59B Derwent Valley Water Bd. | 5 | 1 0 | 560 | 36·7 | 41·28 | ... | ... |
| M | Grain Clough ... ... | No. 96A Derwent Valley Water Bd. | 5 | 1 0 | 999 | ... | 50·81? | ... | ... |
| d | Edale Mill ... ... | ...No. 84 Derwent Valley Water Bd. | 5 | 1 0 | 725 | ... | 50·12 | ... | ... |
| M | Jacob's Ladder ... | ...No. 96 Derwent Valley Water Bd. | 5 | 1 0 | 1115 | ... | 59·51 | ... | ... |
| M | Edale End ... ... | ...No. 83 Derwent Valley Water Bd. | 5 | 1 0 | 632 | ... | 43·86 | ... | ... |
| M | Grindslow ... ... | ...No. 94 Derwent Valley Water Bd. | 5 | 1 0 | 940 | ... | 55·62 | ... | ... |
| M | Crook Hill ... ... | ...No. 92 Derwent Valley Water Bd. | 5 | 1 0 | 1100 | ... | 48·50 | ... | ... |
| M | Ladybower ... ... | ...No. 73 Derwent Valley Water Bd. | 5 | 1 0 | 985 | ... | 44·21 | ... | ... |
| W | Grimbocar ... ... | ...No. 90 Derwent Valley Water Bd. | 5 | 1 0 | 700 | ... | 49·90 | ... | ... |
| M | Nether Moor ... ... | ...No. 93 Derwent Valley Water Bd. | 5 | 1 0 | 1460 | ... | 58·64 | ... | ... |
| M | Hagg Farm ... ... | ...No. 81 Derwent Valley Water Bd. | 8 | 1 0 | 700 | ... | 50·18 | ... | ... |
| M | §Blackdean Brook ... | ...No. 89 Derwent Valley Water Bd. | 5 | 1 0 | 1070 | ... | 61·33 | ... | ... |
| D | River Ashop (Weir) ... | No. 80A Derwent Valley Water Bd. | 5 | 1 0 | 795 | ... | 49·94 | 207 | 162 |
| D | Fairholmes (Nursery) ... | No. 26A Derwent Valley Water Bd. | 5 | 1 0 | 685 | 42·8 | 52·07 | 219 | 160 |
| M | Nether Seal Clough ... | No. 79B Derwent Valley Water Bd. | 5 | 1 0 | 1320 | ... | 62·03 | ... | ... |
| M | §Nether Red Clough ... | ...No. 78 Derwent Valley Water Bd. | 5 | 1 0 | 1370 | ... | 57·45 | ... | ... |
| M | §Ashop Head ... ... | No. 43A Derwent Valley Water Bd. | 5 | 1 0 | 1670 | ... | 57·01 | ... | ... |
| M | Ouzelden Clough ... | ...No. 75 Derwent Valley Water Bd. | 5 | 1 0 | 885 | ... | 52·84 | ... | ... |
| M | §Urchin Clough ... ... | ...No. 88 Derwent Valley Water Bd. | 5 | 1 0 | 1190 | ... | 56·30 | ... | ... |
| M | Alport Moor (Alport Castles) | ...No. 82 Derwent Valley Water Bd. | 5 | 1 0 | 975 | ... | (54·25) | ... | ... |
| W | Derwent Dale (Birchinlee) | ...No. 23 Derwent Valley Water Bd. | 8 | 1 0 | 890 | 50·3 | 52·85 | ... | ... |
| M | §Lady Clough Moor ... | No. 41B Derwent Valley Water Bd. | 5 | 1 0 | 1720 | ... | 60·65 | ... | ... |
| D | Derwent Dale (Howden Dam) | No. 17 Derwent Valley Water Bd. | 8 | 1 0 | 845 | 47·7 | 51·13 | 221 | 168 |
| W | §Derwent Dale (Ridge Farm) | No. 13A Derwent Valley Water Bd. | 5 | 1 0 | 883 | 52·4 | 56·21 | ... | ... |
| M | Westend Moor (Blacklow Cote) | No. 15 Derwent Valley Water Bd. | 5 | 1 0 | 970 | 51·3 | 54·23 | ... | ... |
| M | §Alport Moor ... ... | No. 38B Derwent Valley Water Bd. | 5 | 1 0 | 1790 | ... | 65·12 | ... | ... |
| M | Deep Grain ... ... | ...No. 74 Derwent Valley Water Bd. | 5 | 1 0 | 1360 | ... | 58·20 | ... | ... |

§ Turf wall round gauge.

## DIVISION VII—NORTH MIDLAND COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Height of Rim above Ground | Height of Ground above Sea Level | Average Rainfall | 1952 Rainfall | Days with ·01 in. or more | Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **DERBYSHIRE—(*contd.*).** | | *in.* | *ft.* *in.* | *ft.* | *in.* | *in.* | | |
| | **6.—TRENT. Derwent—(*contd.*).** | | | | | | | | |
| W | Derwent Dale (Slippery Stones) No. 62 | Derwent Valley Water Bd. | 5 | 1 0 | 908 | 49·4 | 54·93 | ... | ... |
| M | Ronksley Moor ... ...No. 86 | Derwent Valley Water Bd. | 5 | 1 0 | 1660 | ... | 60·90 | ... | ... |
| M | Broadhead Clough ... ...No. 63 | Derwent Valley Water Bd. | 5 | 1 0 | 1010 | 52·8 | 54·99 | ... | ... |
| M | Barrow Clough ... ... ...No. 71 | Derwent Valley Water Bd. | 5 | 1 0 | 1330 | ... | 58·30 | ... | ... |
| | **7.—TRENT. Erewash. 50 sq. mi.** | | | | | | | | |
| D | Long Eaton (Town Hall) ... ... | Long Eaton U.D.C. ... | 8 | 0 10 | 105 | 23·4 | 22·57 | 179 | 110 |
| d | Ilkeston (New Stanton) ... ... | Stanton Ironworks Co., Ltd. | 5 | 1 0 | 150 | 25·2 | 22·32 | ... | 97 |
| D | Ilkeston (Sewage Works) ... ... | Borough Surveyor ... ... | 5 | 1 0 | 132 | ... | 23·07 | 161 | 99 |
| D | Morley Hall ... ... ... ... | C. H. D. Ham, Esq. ... | 5 | 1 0 | 380 | ... | 23·36 | 143 | 113 |
| d | Codnor Park ... ... ... ... | Docks & Inland Waterways | 5 | 1 0 | 243 | ... | 25·97 | ... | ... |
| | **8.—OUSE. Don. 138 sq. mi.** | | | | | | | | |
| M | Chesterfield (Hunger Hill) ... ... | A. Boothman, Esq., C.E. ... | 5 | 1 0 | 643 | 33·6 | 30·46 | ... | ... |
| D | Chesterfield (Whispering Well) ... | A. Boothman, Esq., C.E. ... | 5 | 1 0 | 575 | 32·5 | 28·10 | 174 | 121 |
| D | CHESTERFIELD School ... ... ... | J. North, Esq. ... ... | 5 | 1 0 | 298 | ... | 24·62 | 141 | 111 |
| D | Chesterfield (Lower Linacre Reservoir) | A. Boothman, Esq., C.E. ... | 8 | 1 0 | 430 | 31·8 | 29·07 | 178 | 125 |
| D | Chesterfield (Middle Linacre Reservoir) | A. Boothman, Esq., C.E. ... | 5 | 1 0 | 500 | ... | 29·19 | 179 | 126 |
| D | Chesterfield (Upper Linacre Filters) ... | A. Boothman, Esq., C.E. ... | 5 | 1 0 | 521 | ... | 28·74 | 178 | 128 |
| D | Chesterfield (Sewage Works) ... ... | Manager ... ... ... | 5 | 1 0 | 225 | ... | 25·45 | 162 | 102 |
| D | Chesterfield (Crowhole Reservoir) ... | P. Hothersall, Esq., M.B.E. | 5 | 1 0 | 605 | 31·1 | 26·79 | 166 | 133 |
| D | Spinkhill (Mount St. Mary's College) | Rev. F. Burton, S.J. ... | 5 | 1 0 | 350 | ... | 24·72 | 167 | 115 |

## DIVISION VIII—NORTH-WESTERN COUNTIES

**CHESHIRE. (Area, 1,014 sq. mi.)**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | **1.—MERSEY. UPPER. 187 sq. mi.** | | | | | | | | |
| D | Langley (Twelve Ashes) ... ... | J. H. Dossett, Esq. ... ... | 6 | 0 9 | 903 | ... | 44·27 | 212 | 170 |
| D | Langley (Trentabank Reservoir) (+A) | J. H. Dossett, Esq. ... ... | 6 | 0 9 | 864 | ... | 43·28 | 212 | 168 |
| D | Langley (Bottoms Reservoir) ... ... | J. H. Dossett, Esq. ... ... | 6 | 0 9 | 662 | 38·5 | 38·41 | 196 | 152 |
| D | Macclesfield (Leadbeaters Reservoir)... | J. H. Dossett, Esq. ... ... | 5 | 1 0 | 579 | ... | 33·59 | 201 | 145 |
| D | MACCLESFIELD (West Park) ... ... | J. H. Dossett, Esq. ... ... | 5 | 1 0 | 500 | 34·1 | 35·16 | 211 | 150 |
| D | Rainow (The Clough) ... ... ... | Miss Anna Neave ... ... | 5 | 1 3 | 815 | 34·4 | 37·36 | 214 | 150 |
| D | Nether Adderley ... ... ... | J. H. Shelmerdine, Esq. ... | 5 | 1 0 | 327 | ... | 29·71 | 184 | 142 |
| D | Prestbury (Sewage Works) ... (+A) | F. T. Hambleton, Esq.* ... | 5 | 1 0 | 320 | ... | 30·54 | 189 | 135 |
| d | Adlington (Styperson House) (+A) | E. Morton, Esq.** ... ... | 5 | 1 0 | 500 | ... | 31·56 | (191) | (133) |
| D | Disley (Lyme Park) (A) ... ... | Stockport Corporation W.W. | 5 | 1 0 | 674 | ... | 35·42 | 204 | 144 |
| D | Disley (Higher Stoneridge) ... ... | Stockport Corporation W.W. | 5 | 1 0 | 750 | ... | 35·11 | 204 | 144 |
| D | Runcorn (Weston Point) ... ... | Docks & Inland Waterways | 8 | 1 3 | 30 | 31·3 | 27·59 | 166 | 131 |
| D | Appleton Reservoir ... ... (+A) | Warrington Waterworks ... | 5 | 1 0 | 120 | ... | 28·42 | 188 | 137 |
| D | Moore (Uplands) ... ... ... | Lt.-Com. G. K. Rylands, R.N. | 5 | 1 0 | 120 | ... | 27·00 | 175 | 137 |
| D | RINGWAY (MANCHESTER Airport) (+A) | Meteorological Office ... | 5 | 1 0 | 248 | 29·9 | 29·63 | 186 | 126 |
| D | High Lane (Light Alders Farm) ... | R. B. Melland, Esq. ... | 5 | 1 3 | 675 | ... | 35·01 | 187 | 140 |
| D | MELLOR ... ... ... ... ... | Dr. K. C. Roberts ... ... | 5 | 1 0 | 728 | ... | 30·63 | 206 | 142 |
| D | Altrincham (Norman's Place) ... ... | Miss G. A. Griffiths ... | 5 | 1 0 | 150 | ... | 29·79 | 168 | 133 |
| D | Dunham Massey (Sewage Works) (+A) | Bucklow R.D.C.* ... ... | 5 | 1 0 | 55 | ... | 29·54 | 180 | 136 |
| D | Stockport (Cherry Tree Hospital) ... | Medical Officer of Health ... | 5 | 1 3 | 285 | ... | 30·28 | 174 | 133 |
| D | Stockport (Cheadle Heath Sew. Wks.) | Borough Surveyor ... ... | 8 | 2 0 | 135 | ... | 30·70 | 167 | 133 |
| D | Stockport (Bredbury Sewage Works) | Bredbury & Romiley U.D.C. | 5 | 1 0 | 150 | ... | 31·85 | 161 | 134 |
| D | Sale (Carrington Lane) ... (+A) | Mersey River Board ... | 5 | 1 0 | 72 | ... | 30·19 | 188 | 131 |
| D | Sale (Sewage Works) ... ... ... | Manager ... ... ... | 5 | 0 10 | 58 | ... | 30·19 | 173 | 130 |
| D | Romiley (Greave) ... ... ... | F. Edwards, Esq. ... ... | 5 | 1 0 | 510 | ... | 36·72 | 210 | 157 |
| | Godley Reservoir ... ... ... | Manchester Corpn. W.W. | 5 | 1 0 | 488 | 34·8 | 38·24 | ... | ... |
| D | Dukinfield (Higher Reservoir) ... | M. T. B. Whitson, Esq., C.E. | 5 | 1 0 | 435 | ... | 30·76 | 161 | 131 |
| | Arnfield Reservoir ... ... (+A) | Manchester Corpn. W.W. | 5 | 1 0 | 512 | 39·1 | 41·77 | ... | ... |
| | Bottoms Reservoir ... ... ... | Manchester Corpn. W.W. | 5 | 1 0 | 501 | ... | 41·44 | ... | ... |
| | Rhodes Wood Reservoir ... ... | Manchester Corpn. W.W. | 5 | 1 0 | 545 | 42·7 | 44·35 | ... | ... |

*Per Cheshire River Board. **Per Mersey River Board.

## DIVISION VIII—NORTH-WESTERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge: Diam. | Rain-gauge: Height of Rim above Ground | Rain-gauge: Height of Ground above Sea Level | Average Rainfall | 1952: Rainfall | 1952: Days with ·01 in. or more | 1952: Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | CHESHIRE—(*contd.*). | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **1.—MERSEY. UPPER.**—(*contd.*). | | | | | | | | |
| | Hollingworth Hall (Moor) No. 23 | Manchester Corpn. W.W. | 5 | 1 0 | 1194 | ... | 43·08 | ... | ... |
| | Torside Reservoir ... ... ... | Manchester Corpn. W.W. | 5 | 1 0 | 669 | ... | 44·14 | ... | ... |
| D | Stalybridge (Market Ground Yard) ... | M. T. B. Whitson, Esq., C.E. | 5 | 1 0 | 373 | ... | 37·73 | 185 | 151 |
| D | Stalybridge (Brushes Filter House) ... | M. T. B. Whitson, Esq., C.E. | 8 | 1 6 | 615 | 39·2 | 44·28 | 212 | 158 |
| W | Higher Swineshaw ... ... ... | M. T. B. Whitson, Esq., C.E. | 5 | 1 0 | 965 | ... | 44·20 | ... | ... |
| D | Woodhead Reservoir ... ... ... | Manchester Corpn. W.W. | 5 | 1 0 | 665 | 48·3 | 48·87 | 216 | 168 |
| | §Arnfield Moor ... ... ... ... | Manchester Corpn. W.W. | 5 | 1 0 | 1290 | ... | 50·86 | ... | ... |
| | §Crowden (Span Gutter) ... ... | Manchester Corpn. W.W. | 5 | 1 0 | 1530 | ... | 51·09 | ... | ... |
| | §Pikenaze Moor (Audernshaw Clough) | Manchester Corpn. W.W. | 5 | 1 0 | 1148 | ... | 55·27 | ... | ... |
| | §Woodhead (Pikenaze) ... ... ... | Manchester Corpn. W.W. | 5 | 1 0 | 926 | ... | 49·88 | ... | ... |
| | §Swineshaw Moor (Boar Flat) No. 11 | Manchester Corpn. W.W. | 5 | 1 0 | 1190 | 48·6 | 50·66 | ... | ... |
| | §Westend Moor (Stonefold) ... ... | Manchester Corpn. W.W. | 5 | 1 0 | 1691 | ... | 52·94 | ... | ... |
| | §Withens Moor (West Withens) No. 19 | Manchester Corpn. W.W. | 5 | 1 0 | 1382 | ... | 57·58 | ... | ... |
| | §Crowden (Meadow Clough) ... ... | Manchester Corpn. W.W. | 5 | 1 0 | 1425 | ... | 58·41 | ... | ... |
| | §Near Broadslate ... ... ... | Manchester Corpn. W.W. | 5 | 1 0 | 1663 | ... | 60·37 | ... | ... |
| | §Longside Moss ... ... ...No. 26 | Manchester Corpn. W.W. | 5 | 1 0 | 1418 | 59·8 | 55·49 | ... | ... |
| | §Upper Heyden ... ... ... ... | Manchester Corpn. W.W. | 5 | 1 0 | 1717 | 60·5 | 59·94 | ... | ... |
| | **2.—MERSEY. Weaver. 489 sq. mi.** | | | | | | | | |
| D | Audlem (Newholme) ... ... ... | C. Coffin, Esq.* ... ... | 5 | 1 0 | 214 | ... | 25·78 | 178 | 141 |
| D | Cholmondeley School ... ... (+A) | A. H. Munro, Esq.* ... | 5 | 1 0 | 291 | 29·3 | 26·95 | 200 | 138 |
| D | Nantwich (Baddiley Waterworks) ... | Mid & S.E. Cheshire W. Bd. | 5 | 1 0 | 231 | 28·3 | 26·64 | 189 | 133 |
| D | Nantwich (Beam Bridge) ... ... | Nantwich U.D.C. ... ... | 5 | 1 0 | 115 | ... | 26·35 | 182 | 127 |
| d | Nantwich (Dorfold Hall) ... ... | Docks & Inland Waterways | 8 | 1 0 | 190 | 28·8 | 27·63 | ... | 135 |
| D | Nantwich (Reaseheath Hall) ... ... | Docks & Inland Waterways | 8 | 1 0 | 130 | 29·1 | 27·01 | 179 | 137 |
| D | Crewe (Sewage Works) ... ... | L. Reeves, Esq., C.E. ... | 5 | 1 0 | 125 | ... | 26·76 | 189 | 144 |
| D | Crewe (Isolation Hospital) ... ... | Mid & S.E. Cheshire W. Bd. | 5 | 1 4 | 181 | 28·2 | 26·60 | 226 | 148 |
| D | Mow Cop (Pumping Station) ... | Mid & S.E. Cheshire W. Bd. | 5 | 1 0 | 460 | ... | 30·52 | 192 | 145 |
| D | Sandbach Pumping Station ... ... | Mid & S.E. Cheshire W. Bd. | 5 | 1 0 | 210 | ... | 25·65 | 184 | 135 |
| D | Tarporley (Tilstone Lodge) ... ... | Head Gardener ... ... | 5 | 1 0 | 220 | 29·9 | 26·22 | 179 | 129 |
| D | Eaton (Pumping Station) ... ... | Mid & S.E. Cheshire W. Bd. | 5 | 1 0 | 285 | 31·6 | 28·58 | 194 | 150 |
| D | §Congleton (Sewage Works) ... (+A) | Borough Surveyor ... ... | 5 | 1 0 | 248 | 30·1 | 28·78 | 186 | 144 |
| D | Congleton (Buglawton Hall) ... ... | Docks & Inland Waterways | 8 | 1 0 | 450 | ... | 31·35 | 196 | 149 |
| d | Congleton (Eaton Hall) ... ... | Docks & Inland Waterways | 8 | 0 9 | 400 | ... | 30·15 | ... | ... |
| d | Bosley Reservoir ... ... ... | Cheshire River Board ... | 5 | 1 0 | 590 | ... | 33·14 | ... | 153 |
| D | Middlewich ... ... ... ... | I.C.I. (Alkali) Ltd. ... ... | 5 | 1 0 | 138 | ... | 27·12 | 199 | 148 |
| D | Tarporley (Sandyford Waterworks) ... | Mid & S.E. Cheshire W. Bd. | 8 | 1 0 | 247 | 32·0 | 29·22 | 206 | 147 |
| D | Middlewich (Bostock Hall) ... ... | Manchester Corpn. W.W. | 5 | 1 0 | 157 | 30·3 | 27·96 | 169 | 133 |
| d | Cranage Hall Hospital ... ... ... | Clerk & Steward* ... ... | 5 | 1 0 | 179 | 29·2 | 27·34 | ... | ... |
| D | Delamere (Linmere) ... ... ... | Forestry Commission ... | 8 | 0 9 | 250 | 31·9 | 27·95 | 181 | 148 |
| d | Cuddington (Merle Wood) ... ... | SirEdwinCooperBurgis,K.T. | 5 | 1 0 | 200 | ... | 28·41 | ... | ... |
| D | Northwich (Crabtree Green) ... ... | Mid & S.E. Cheshire W. Bd. | 8 | 1 0 | 163 | 32·0 | 29·40 | 202 | 144 |
| D | Northwich (Weaverham Grange) ... | Mid & S.E. Cheshire W. Bd. | 5 | 1 0 | 151 | ... | 28·96 | 183 | 146 |
| D | Northwich (Hunts Lock) ... ... | Docks & Inland Waterways | 8 | 1 5 | 47 | 30·0 | 28·61 | 196 | 141 |
| D | NORTHWICH (WINNINGTON) ... ... | I.C.I. (Alkali) Ltd. ... ... | 5 | 1 0 | 64 | 29·2 | 27·90 | 196 | 139 |
| D | Chelford (Kennel Bank) ... ... | A. M. Haworth, Esq. ... | 5 | 1 0 | 263 | ... | 28·63 | 179 | 130 |
| D | Chelford (Snelson House) ... ... | R. C. Walsh, Esq. ... ... | 5 | 1 0 | 250 | ... | 29·80 | 173 | 134 |
| D | Northwich (Lostock Gralam) ... | I.C.I. (Alkali) Ltd. ... ... | 5 | 1 0 | 75 | ... | 24·82 | 183 | 135 |
| D | Northwich (Marbury Road) ... ... | Charles Cooper, Esq. ... | 5 | 1 0 | 96 | ... | 29·07 | 187 | 142 |
| | **3.—MERSEY. LOWER & C. 142 sq. mi.** | | | | | | | | |
| D | Barrowmore ... ... ... (+A) | Cheshire River Board ... | 5 | 0 9 | 114 | ... | 25·74 | 182 | 141 |
| d | Mouldsworth (Pumping Station) ... | West Cheshire Water Board | 5 | 1 0 | 145 | 28·9 | 29·46 | ... | 136 |
| d | Manley (Ravelstone) ... ... ... | Mrs. A. Haworth ... ... | 5 | 1 0 | 300 | 31·9 | 24·29 | ... | ... |
| D | Foxhill (Pumping Station) ... ... | Warrington W.W. ... ... | 5 | 1 0 | 155 | 30·2 | 24·93 | 164 | 129 |

§ **Turf wall round gauge.** * *Per* Cheshire River Board.

## DIVISION VIII—NORTH-WESTERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1952 Rainfall | 1952 Days with ·01 in. or more | 1952 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **CHESHIRE—(*contd.*).** | | *in.* | *ft.* | *in.* *ft.* | *in.* | *in.* | | |
| | **3.—MERSEY. LOWER & C.—(*contd.*).** | | | | | | | | |
| D | Ellesmere Port (The Refinery) | Lobitos Oilfields Ltd. | 5 | 1 | 0 15 | ... | 26·15 | 176 | 116 |
| D | Hooton (Waterworks) | West Cheshire Water Board | 5 | 1 | 0 97 | 30·3 | 28·88 | 187 | 134 |
| D | Crosshill Reservoir, *old g.* | W. K. Lewis, Esq., C.E. | 5 | 1 | 0 237 | ... | 29·16 | 181 | 142 |
| D | Crosshill Reservoir, *new g.* | W. K. Lewis, Esq., C.E. | 5 | 1 | 0 212 | ... | 29·81 | 179 | 142 |
| D | Port Sunlight | Lever Bros. | 5 | 1 | 0 50 | ... | 30·87 | 193 | 139 |
| D | Prenton (Waterworks) | West Cheshire Water Board | 5 | 1 | 3 91 | 28·1 | 27·47 | 212 | 140 |
| D | Birkenhead (BIDSTON OBS'Y.) (+A) | Director | 5 | 1 | 0 198 | 27·9 | 25·94 | 173 | 124 |
| D | WALLASEY (Harrison Park) | Medical Officer of Health | 5 | 1 | 0 57 | ... | 27·68 | 167 | 129 |
| | **4.—DEE. 127 sq. mi.** | | | | | | | | |
| D | Eaton Hall Gardens | Mr. G. Miller | 5 | 1 | 3 73 | 26·9 | 28·12 | 210 | 148 |
| d | Rowton (Holly Bank) | the late J. H. Salmon, Esq. | 5 | 1 | 1 213 | 27·3 | (22·61) | ... | ... |
| D | Chester (Sewage Disposal Works) | Engineer and Surveyor | 5 | 0 | 6 16 | 26·1 | 23·48 | 166 | 130 |
| D | Chester (Waterworks) | Engineer | 5 | 0 | 10 85 | 26·4 | 23·13 | 174 | 131 |
| D | WEST KIRBY (Park) | Hoylake U.D.C. | 5 | 1 | 5 25 | ... | 26·73 | 181 | 133 |
| D | West Kirby (Monk's Way) | Miss G. S. Kirkby | 5 | 1 | 0 113 | 28·9 | 27·02 | 171 | 138 |
| | **SOUTH LANCASHIRE. (Area, 700 sq. mi.)** | | | | | | | | |
| | **1.—ALT & C. 103 sq. mi.** | | | | | | | | |
| d | Prescot (Knowsley Hall) | Mr. W. Steele | 5 | 1 | 0 178 | ... | 27·31 | ... | ... |
| d | Kirby (Estate Works) | Mersey River Board | 5 | 1 | 0 48 | ... | 32·32 | ... | ... |
| D | Formby (Ince Blundell) | Mersey River Board | 5 | 1 | 0 36 | ... | 34·15 | 246 | 149 |
| d | Ormskirk (Bickerstaffe Pumping Stn.) | N. B. Bennett, Esq., C.E. | 5 | 0 | 8 128 | 33·2 | 32·95 | ... | ... |
| d | Ormskirk (Springfield Pumping Stn.) | N. B. Bennett, Esq., C.E. | 5 | 1 | 1 69 | 33·1 | 33·31 | ... | 150 |
| D | Formby (Hightown) (+A) | Mersey River Board | 5 | 1 | 0 25 | ... | 28·35 | 242 | 139 |
| D | Barton (Pump House) | M. McD. MacLeod, Esq. | 5 | 1 | 0 11 | ... | 28·31 | 175 | 128 |
| | **2.—MERSEY. LOWER. 244 sq. mi.** | | | | | | | | |
| D | SPEKE (Liverpool Airport) (+A) | Meteorological Office | 5 | 1 | 0 81 | ... | 28·89 | 183 | 136 |
| D | Garston Depôt | Liverpool Corporation | 5 | 1 | 0 81 | 30·7 | 29·32 | 181 | 138 |
| D | Halewood (Sewage Works) | Manager | 5 | 1 | 2 30 | ... | 31·47 | 199 | 134 |
| D | Liverpool (Lark Lane) | Liverpool Corporation | 5 | 9 | 1 90 | ... | 30·39 | 190 | 141 |
| D | Liverpool (Smithdown Road) | Liverpool Corporation | 5 | 1 | 0 135 | 31·7 | 32·00 | 189 | 137 |
| d | Cronton (Pex Hill, Old Reservoir) | Engineer and Manager | 5 | 1 | 0 228 | ... | 30·62 | 188 | 142 |
| D | Liverpool (Monument Place) (+A) | Liverpool Corporation | 5 | 1 | 3 124 | ... | 31·06 | 184 | 131 |
| D | Liverpool (Rathbone Road) | Liverpool Corporation | 5 | 1 | 0 198 | 34·3 | 30·47 | 172 | 139 |
| D | Liverpool (Breckside Park) | Liverpool Corporation | 5 | 0 | 9 132 | 33·2 | 29·47 | 179 | 129 |
| D | Liverpool (Queens Drive) | Liverpool Corporation | 5 | 1 | 0 119 | 33·3 | 35·03 | 173 | 150 |
| D | Warrington (Howley Yard) | Borough Surveyor | 8 | 5 | 1 26 | ... | 28·14 | 196 | 141 |
| D | Winwick (Pumping Station) | Warrington Waterworks | 5 | 1 | 0 115 | ... | 31·01 | 186 | 136 |
| | Prescot | Liverpool Corpn. W.W. | 5 | 1 | 0 282 | ... | 33·18 | ... | ... |
| D | St. Helens (Eccleston Hill) | M. Ward, Esq., C.E. | 12 | 1 | 0 250 | 33·6 | 31·63 | 184 | 129 |
| D | St. Helens (Victoria Park) | Medical Officer of Health | 8 | 1 | 5 145 | 33·9 | 30·94 | 196 | 135 |
| D | St. Helens (Windle Hall) | W. H. Pilkington, Esq. | 5 | 1 | 0 160 | ... | 32·44 | 189 | 139 |
| d | Litherland (Hatton Hill Park) | C. Rigby, Esq., C.E. | 5 | 1 | 0 59 | ... | 26·66 | ... | ... |
| D | Leigh (Sewage Works) | T. N. Cockroft, Esq., B.Sc. | 8 | 1 | 0 67 | 32·6 | 33·46 | 165 | 135 |
| D | Rainford (Rookery Sewage Works) | Mersey River Board | 5 | 1 | 0 107 | ... | 34·56 | 172 | 142 |
| D | Hindley (Platt Bridge Sewage Works) | Surveyor | 8 | 0 | 10 91 | ... | 37·07 | 199 | 146 |
| d | Atherton (Cemetery) | Mersey River Board | 5 | 1 | 0 165 | ... | 36·21 | ... | ... |
| | **3.—MERSEY. Irwell. 299 sq. mi.** | | | | | | | | |
| d | Stretford (Longford Park) | Stretford U.D.C. | 8 | 1 | 1 85 | ... | (28·96) | 154 | 120 |
| D | Manchester (Hullard Park) | Stretford U.D.C. | 8 | 1 | 1 100 | 32·4 | 31·84 | 160 | 133 |
| D | Manchester (Old Trafford) | Stretford U.D.C. | 5 | 1 | 1 107 | ... | 30·30 | 172 | 133 |
| D | Urmston (Sewage Wks., Davyhulme) | Manchester Cpn. River Dpt. | 8 | 1 | 0 72 | 30·9 | 30·72 | 176 | 133 |

## DIVISION VIII—NORTH-WESTERN COUNTIES—(*contd.*)

| | STATIONS | | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1952 Rainfall | 1952 Days with ·01 in. or more | 1952 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|---|
| | SOUTH LANCASHIRE—(*contd.*). | | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | 3.—MERSEY. Irwell.—(*contd.*). | | | | | | | | | |
| D | Patricroft (Eccles Sewage Works) | | Manager | 5 | 1 0 | 71 | 30·3 | 31·57 | 167 | 130 |
| D | Salford (Weaste Sewage Works) | | City Engineer | 8 | 1 0 | 70 | 32·9 | 32·77 | 190 | 136 |
| D | MANCHESTER (WHITWORTH PARK) | | University of Manchester | 8 | 1 0 | 125 | 31·7 | 32·88 | 191 | 138 |
| D | Ashton-under-Lyne (Knott Hill Res.) | | M. T. B. Whitson, Esq., C.E. | 8 | 1 0 | 605 | 39·7 | 40·38 | 229 | 156 |
| | Prestwich Reservoir | | Manchester Corpn. W.W. | 5 | 1 0 | 340 | 38·2 | 38·89 | ... | ... |
| D | Prestwich (Heaton Park) | | City Surveyor, Manchester | 5 | 1 6 | 325 | 36·8 | 39·62 | 212 | 150 |
| | Prestwich (Heaton Park Reservoir) | | Manchester Corpn. W.W | 5 | 1 0 | 355 | 37·1 | 36·54 | ... | ... |
| d | Oldham (Gas Works) | | C. Busfield, Esq., C.E. | 5 | 5 9 | 602 | 39·0 | 44·98 | 173 | 158 |
| D | Bolton (Hacken Sewage Works) | | Manager | 5 | 1 0 | 182 | 39·4 | 39·56 | 193 | 147 |
| D | Oldham (Brushes Clough) No. 3 | | C. Busfield, Esq., C.E. | 5 | 1 0 | 921 | 46·7 | 46·87 | 207 | 157 |
| D | Royton (Public Park) | | Park Superintendent | 5 | 1 0 | 516 | 39·1 | 36·51 | 190 | 149 |
| D | BOLTON (Queen's Park) | (+A) | Corporation | 5 | 1 0 | 342 | 43·1 | 42·99 | 197 | 152 |
| d | Bolton (Bradshawgate) | | Docks & Inland Waterways | 5 | 1 0 | 299 | 41·6 | 41·71 | ... | ... |
| D | Bolton (Heaton Reservoir) | | Bolton Corporation W.W. | 5 | 1 0 | 500 | 43·5 | 45·58 | 231 | 161 |
| | Bolton Waterworks (Harpers Farm) | | Bolton Corporation W.W. | 5 | 1 0 | 872 | ... | 45·99 | ... | ... |
| D | Bolton (Smithhills Hall) | | Corporation | 5 | 1 0 | 510 | 46·1 | 47·11 | 181 | 155 |
| D | Bury (Sewage Works) | | G. R. C. Marsden, Esq. | 5 | 1 0 | 220 | ... | 37·30 | 196 | 137 |
| D | Bury (Elton Reservoir) | | Docks & Inland Waterways | 5 | 1 0 | 294 | 38·7 | 37·58 | 203 | 148 |
| D | Bury (Greenhill Road) | | R. Moore, Esq. | 5 | 2 7 | 399 | 40·5 | 43·97 | 184 | 148 |
| D | Castleton (Trubb Sewage Works) | | Borough Surveyor | 5 | 1 0 | 438 | ... | 39·12 | 202 | 142 |
| D | Newhey (Sewage Works) | | Crompton U.D.C. | 8 | 1 0 | 513 | 41·6 | 43·07 | 179 | 156 |
| d | Milnrow (Butterworth Hall) | | C. Busfield, Esq., C.E. | 5 | 1 0 | 512 | 43·8 | 42·57 | ... | ... |
| D | Milnrow (Piethorne, Kitcliffe) | | C. Busfield, Esq., C.E. | 5 | 1 0 | 766 | 46·1 | 47·51 | 205 | 161 |
| D | Milnrow (Piethorne, Cold Greave) | | C. Busfield, Esq., C.E. | 5 | 1 0 | 832 | 46·3 | 45·82 | 205 | 155 |
| D | ROCHDALE (Roch Mills Sew. Wks.) | | Borough Surveyor | 5 | 1 0 | 363 | 44·5 | 40·89 | 196 | 148 |
| D | Rochdale (Queensway) | (+A) | Rochdale Corporation | 5 | 4 6 | 407 | 42·4 | 41·44 | 191 | 152 |
| d | Rochdale (Fieldhead Yard) | | Borough Surveyor | 8 | 1 0 | 473 | 41·5 | 45·25 | 188 | 152 |
| D | Rochdale (Ashworth Moor Reservoir) | | Heywood & Middleton W.Bd. | 5 | 1 2 | 956 | ... | 44·63 | 214 | 168 |
| D | Bury (Gin Hall) | No. 1 | Irwell Valley Water Bd. | 5 | 1 0 | 475 | 43·7 | 45·65 | 221 | 159 |
| D | Bury (Gin Hall) | No. 2 | Irwell Valley Water Bd. | 5 | 1 0 | 475 | 44·5 | 46·23 | 221 | 161 |
| D | Bolton W.W. (Springs) | No. 2 | Bolton Corporation W.W. | 5 | 1 0 | 810 | 54·5 | 57·47 | 234 | 170 |
| | Bolton W.W. (Eagley) | No. 4 | Bolton Corporation W.W. | 5 | 1 0 | 546 | 52·3 | 55·63 | ... | ... |
| D | Turton (Turton Tower) | | Turton U.D.C. | 5 | 1 0 | 584 | 49·1 | 50·59 | 223 | 156 |
| M | Bolton W.W. (Hordern) | | Bolton Corporation W.W. | 5 | 1 0 | 1160 | 53·5 | 54·88 | ... | ... |
| D | Bolton W.W. (Delph) | | Bolton Corporation W.W. | 5 | 1 0 | 710 | 53·6 | 54·97 | 226 | 163 |
| M | Bolton W.W. (Longworth) | | Bolton Corporation W.W. | 5 | 1 0 | 770 | 52·4 | 53·61 | ... | ... |
| D | Bolton W.W. (Wayoh) | No. 3 | Bolton Corporation W.W. | 5 | 1 0 | 608 | 51·7 | 48·95 | 217 | 152 |
| M | §Bolton W.W. (Holden's Farm) | | Bolton Corporation W.W. | 5 | 1 0 | 955 | 51·9 | 51·46 | ... | ... |
| M | Bolton W.W. (Top-o'-th'-Brow) | | Bolton Corporation W.W. | 5 | 1 0 | 935 | 56·5 | 55·89 | ... | ... |
| D | Bolton W.W. (Entwistle) | | Bolton Corporation W.W. | 5 | 1 0 | 700 | 52·4 | 52·98 | 231 | 161 |
| | Bolton W.W. (Bromiley Heys) | | Bolton Corporation W.W. | 5 | 1 0 | 925 | 53·4 | 54·64 | ... | ... |
| | §Bolton W.W. (Hulton Pasture) | | Bolton Corporation W.W. | 5 | 1 0 | 1090 | 49·7 | 54·97 | ... | ... |
| | §Bolton W.W. (Moorside) | | Bolton Corporation W.W. | 5 | 1 0 | 850 | 50·2 | 48·23 | ... | ... |
| | Bolton W.W. (Clough) | | Bolton Corporation W.W. | 5 | 1 0 | 1150 | 54·2 | 56·24 | ... | ... |
| | Bolton W.W. (Cranberry Moss) | | Bolton Corporation W.W. | 5 | 1 0 | 982 | 52·0 | 52·33 | ... | ... |
| | Bolton W.W. (Slater Lane) | | Bolton Corporation W.W. | 5 | 1 0 | 985 | 52·1 | 58·59 | ... | ... |
| | Bolton W.W. (Brown Lowe) | | Bolton Corporation W.W. | 5 | 1 0 | 1200 | 52·9 | 54·27 | ... | ... |
| | Bolton W.W. (Longshoot) | | Bolton Corporation W.W. | 5 | 1 0 | 930 | 52·8 | 53·09 | ... | ... |
| | Bolton W.W. (Uglow) | No. 2 | Bolton Corporation W.W. | 5 | 1 0 | 1090 | 51·1 | 51·01 | ... | ... |
| D | Rochdale (Hamer Pasture Res.) | | Rochdale Corporation W.W. | 5 | 1 0 | 760 | 48·6 | 48·97 | 189 | 156 |
| D | Rochdale (Naden Filters) | | Heywood & Middleton W.Bd. | 5 | 1 0 | 761 | 46·9 | 47·85 | 188 | 157 |
| W | Norden (Far Knowl Farm) | | Heywood & Middleton W.Bd. | 8 | 1 3 | 1000 | 47·2 | 50·75 | ... | ... |
| D | Littleborough (Longden End) | | C. Busfield, Esq., C.E. | 5 | 1 0 | 751 | 48·2 | 49·07 | 215 | 166 |
| D | Littleborough (Hollingworth Lake) | | C. Busfield, Esq., C.E. | 8 | 1 0 | 610 | 40·6 | 41·29 | 194 | 150 |
| | §Littleborough (Broadhead) | | C. Busfield, Esq., C.E. | 8 | 1 0 | 1337 | ... | 40·60 | 224 | 157 |

§Turf wall round gauge.

## DIVISION VIII—NORTH-WESTERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Height of Rim above Ground | Height of Ground above Sea Level | Average Rainfall | 1952 Rainfall | Days with ·01 in. or more | Days with ·04 in or more |
|---|---|---|---|---|---|---|---|---|---|
| | SOUTH LANCASHIRE—(*contd.*). | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **3.—MERSEY. Irwell.—(*contd.*).** | | | | | | | | |
| D | Littleborough (Blackstone Edge) | C. Busfield, Esq., C.E. | 8 | 1 0 | 1268 | 45.0 | 47·17 | 224 | 166 |
| D | Littleborough (Upper Chelburn) | C. Busfield, Esq., C.E. | 8 | 1 0 | 725 | 48·2 | 46·33 | 199 | 161 |
| D | Littleborough (Chelburn) | C. Busfield, Esq., C.E. | 8 | 1 0 | 700 | 46·6 | 46·47 | 199 | 158 |
| | ‖Ramsbottom (Killgate Brook) | Heywood & Middleton W.Bd. | 5 | 1 0 | 978 | ... | 48·11 | ... | ... |
| d | Ramsbottom | Docks & Inland Waterways | 5 | 0 11 | 418 | 47·7 | 50·85 | 163 | 122 |
| | Ramsbottom (Cheesden Barn) | Heywood & Middleton W.Bd. | 5 | 1 0 | 997 | ... | 47·70 | ... | ... |
| D | Edenfield (New Hall Nurseries) | Irwell Valley Water Board... | 5 | 1 0 | 800 | ... | 50·56 | 221 | 155 |
| D | Edenfield (Scout Moor Res.) No. 2 | Irwell Valley Water Board | 5 | 1 0 | 1275 | ... | 61·38 | 219 | 164 |
| D | Rochdale (Spring Mill, Whitworth) | Rochdale Corporation | 5 | 1 0 | 720 | 51·5 | 53·97 | 183 | 165 |
| D | Wardle (Watergrove Mill) | Rochdale Corporation | 8 | 2 6 | 819 | 49·9 | 48·28 | 204 | 164 |
| D | Rochdale (Cowm, Whitworth) | Rochdale Corporation | 5 | 1 0 | 762 | 51·5 | 54·47 | 190 | 161 |
| D | Helmshore (Musbury Valley) | Irwell Valley Water Board... | 5 | 1 0 | 750 | 52·1 | 51·87 | 202 | 171 |
| D | HELMSHORE (Exp. H. Farm) | Director | 5 | 1 0 | 854 | ... | 56·35 | 210 | 165 |
| D | Haslingden (Holden Wood) No. 1 | Irwell Valley Water Board... | 5 | 1 0 | 670 | 52·1 | 52·31 | 210 | 166 |
| D | Haslingden (Holden Wood) No. 2 | Irwell Valley Water Board... | 5 | 1 0 | 670 | 51·4 | 53·79 | 212 | 169 |
| D | Haslinden (Calf Hey) No. 1 | Irwell Valley Water Board... | 5 | 1 0 | 800 | 50·9 | 54·86 | 212 | 180 |
| D | Haslingden (Ogden) No. 1 | Irwell Valley Water Board... | 5 | 1 0 | 740 | 50·9 | 51·25 | 213 | 169 |
| D | Haslingden (Ogden) No. 2 | Irwell Valley Water Board... | 5 | 1 0 | 740 | 51·7 | 51·44 | 212 | 176 |
| D | Bacup (Sheephouse Reservoir) | Bacup Borough Council | 5 | 1 0 | 975 | ... | 52·39 | 219 | 168 |
| d | Bacup | Docks & Inland Waterways | 5 | 1 0 | 875 | 50·1 | 45·50 | 190 | 157 |
| D | Rawtenstall (Cemetery) (+A) | Boro' Engineer & Surveyor | 5 | 1 1 | 572 | 46·3 | 50·77 | 206 | 158 |
| d | Haslingden | Docks & Inland Waterways | 5 | 1 0 | 714 | 46·3 | 44·54 | ... | ... |
| D | Rawtenstall (Green Fold Res.) (+A) | Irwell Valley Water Board | 5 | 1 0 | 1000 | 47·6 | 48·50 | 195 | 165 |
| D | Rawtenstall (Green Fold Res.) No. 2 | Irwell Valley Water Board | 5 | 1 0 | 1025 | 46·1 | 47·19 | 195 | 163 |
| D | Rawtenstall (Cloughbottom) No. 1 | Irwell Valley Water Board | 5 | 1 0 | 1025 | 47·4 | 48·47 | 208 | 165 |
| D | Rawtenstall (Clowbridge Res.) No. 1 | Irwell Valley Water Board | 5 | 1 0 | 930 | 47·6 | 49·62 | 204 | 173 |
| D | Rawtenstall (Clowbridge Res.) No. 2 | Irwell Valley Water Board | 5 | 1 0 | 930 | 51·6 | 52·55 | 204 | 173 |
| | **4.—MERSEY. UPPER. 54 sq. mi.** | | | | | | | | |
| D | Northenden (Sewage Works) | Manchester Cpn. Rivers Dpt. | 8 | 1 0 | 81 | ... | 31·49 | 171 | 134 |
| D | Chorlton-cum-Hardy (Sewage Works) | Manchester Cpn. Rivers Dpt. | 8 | 4 6 | 95 | 30·5 | 30·58 | 178 | 133 |
| D | Stretford (Sewage Farm) | Borough Engineer | 8 | 1 1 | 65 | ... | 34·06 | 187 | 140 |
| D | Denton (Sewage Works) | Denton U.D.C. | 5 | 1 0 | 205 | 31·0 | 32·53 | 186 | 140 |
| D | Fallowfield (Platt Field Park) | City Engineer, Manchester | 8 | 1 0 | 118 | 30·6 | 30·95 | 195 | 140 |
| | Denton Reservoir | Manchester Corpn. W.W. | 5 | 1 0 | 306 | 35·1 | 38·04 | ... | ... |
| | Gorton Reservoir | Manchester Corpn. W.W. | 5 | 1 0 | 263 | 35·0 | 35·54 | ... | ... |
| | Audenshaw Reservoirs | Manchester Corpn. W.W. | 5 | 1 0 | 300 | ... | 36·46 | ... | ... |
| D | Ashton-u-Lyne (Henrietta St. Yard) | M. T. B. Whitson, Esq., C.E. | 5 | 1 0 | 394 | 37·2 | 36·78 | 188 | 145 |
| D | Lower Swineshaw Reservoir | M. T. B. Whitson, Esq., C.E. | 8 | 1 0 | 886 | 43·6 | 43·66 | 209 | 159 |
| W | Swineshaw Moor | M. T. B. Whitson, Esq., C.E. | 5 | 1 0 | 1340 | ... | 46·17 | ... | ... |
| | **CENTRAL LANCASHIRE. (Area, 536 sq. mi.)** | | | | | | | | |
| | **1.—RIBBLE & C. 326 sq. mi.** | | | | | | | | |
| M | Rivington (Tockholes) | Liverpool Corpn. W.W. | 5 | 1 0 | 970 | ... | 52·58 | ... | ... |
| M | Roddlesworth | Liverpool Corpn. W.W. | 5 | 1 0 | 725 | ... | 47·96 | ... | ... |
| D | DARWEN (Bold Venture Park) | Medical Officer of Health | 8 | 1 1 | 724 | 50·1 | 57·97 | 193 | 161 |
| D | Darwen (Hoddlesden) No. 1 | G. McKay, Esq., C.E. | 8 | 1 6 | 680 | 49·1 | 52·27 | 247 | 174 |
| D | §Darwen (Daisy Green) No. 1 | G. McKay, Esq., C.E. | 8 | 1 6 | 969 | ... | 54·24 | 251 | 190 |
| D | §Darwen (Pickup Bank) | G. McKay, Esq., C.E. | 8 | 1 6 | 727 | ... | 52·77 | 249 | 188 |
| d | Brindle (Whiteholme) | Miss W. M. Gatty | 5 | 1 8 | 315 | 39·3 | 37·53 | 181 | 146 |
| D | Haslingden (Mitchell's House Res.) | R. Jackson, Esq., B.Sc. | 5 | 1 0 | 930 | 45·0 | 46·97 | 215 | 161 |
| D | Blackburn (Guide Reservoir) | G. McKay, Esq., C.E. | 8 | 1 6 | 610 | 44·9 | 41·72 | 212 | 162 |
| D | Blackburn (Witton) | G. McKay, Esq., C.E. | 8 | 1 6 | 315 | 42·0 | 37·70 | 186 | 142 |
| D | HUTTON (Lancs. C.C. Hort. Station) | County Inst. of Agriculture | 5 | 1 0 | 82 | 35·2 | 34·46 | 187 | 145 |

‖ Gauge over-exposed. § Turf wall round gauge.

## DIVISION VIII—NORTH-WESTERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge: Diam. | Rain-gauge: Height of Rim above Ground | Rain-gauge: Height of Ground above Sea Level | Average Rainfall | 1952: Rainfall | 1952: Days with ·01 in. or more | 1952: Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | CENTRAL LANCASHIRE—(*contd.*). | | *in.* | *ft.* *in.* | *ft.* | *in.* | *in.* | | |
| | 1.—RIBBLE & C.—(*contd.*). | | | | | | | | |
| D | Accrington (Oak Hill Park) ... (+A) | Borough Engineer ... ... | 5 | 1 0 | 645 | ... | 46·16 | 198 | 159 |
| D | Accrington (Coppy Clough S.W.) (+A) | Borough Engineer ... ... | 5 | 1 0 | 386 | ... | 43·37 | 192 | 155 |
| D | PRESTON (Moor Park) ... ... (+A) | Jeremiah Horrocks Obsy. ... | 8 | 1 0 | 110 | 35·3 | 36·42 | 210 | 144 |
| D | Samlesbury (Sewage Works) ... ... | G. McKay, Esq., C.E. ... | 8 | 1 6 | 240 | 36·9 | 36·54 | 203 | 153 |
| D | SQUIRES GATE (Blackpool Airport) (+A) | Meteorological Office ... | 5 | 1 0 | 33 | 31·8 | 30·71 | 169 | 128 |
| D | Blackburn (Queens Road) ... ... | J. Brennand, Esq. ... ... | 5 | 1 1 | 515 | ... | 44·88 | 223 | 139 |
| W | Causeway Side (Burnley W.W.) ... | J. Shepherd, Esq., C.E. ... | 5 | 1 0 | 1110 | ... | 53·78 | ... | ... |
| W | Sheddin (Burnley W.W.) ... ... | J. Shepherd, Esq., C.E. ... | 5 | 1 0 | 960 | ... | 53·57 | ... | ... |
| D | Cant Clough S. Side (Burnley W.W.) | J. Shepherd, Esq., C.E. ... | 5 | 1 0 | 903 | ... | 51·82 | 193 | 173 |
| D | Cant Clough N. Side (Burnley W.W.) | J. Shepherd, Esq., C.E. ... | 5 | 1 0 | 846 | ... | 50·77 | 193 | 171 |
| W | Rams Clough Head (Burnley W.W.) | J. Shepherd, Esq., C.E. ... | 5 | 1 0 | 1236 | ... | 51·32 | ... | ... |
| D | Huncoat (Burnley Road Res.) ... | R. Jackson, Esq., B.Sc. ... | 5 | 1 0 | 640 | 43·0 | 43·72 | 198 | 151 |
| D | Rishton (Sewage Works) ... ... | Surveyor ... ... ... | 5 | 1 0 | 300 | ... | 42·15 | 199 | 163 |
| D | Great Harwood (Parsonage Res.) ... | G. McKay, Esq., C.E. ... | 8 | 1 0 | 631 | 40·7 | 40·85 | 208 | 150 |
| D | Great Harwood (Kebb Farm) ... | R. Jackson, Esq., B.Sc. ... | 5 | 1 0 | 670 | ... | 45·80 | 203 | 162 |
| D | BURNLEY (Queens Park) ... ... | Medical Officer of Health ... | 8 | 1 0 | 458 | ... | 39·94 | 193 | 148 |
| D | Burnley (Swinden) *upper g.* ... ... | J. Shepherd, Esq., C.E. ... | 5 | 1 0 | 811 | 43·6 | 45·45 | 213 | 157 |
| D | Burnley (Swinden) *lower g.* ... ... | J. Shepherd, Esq., C.E. ... | 5 | 1 0 | 745 | 44·3 | 43·06 | 213 | 156 |
| W | Extwistle Moor Top (Burnley W.W.) | J. Shepherd, Esq., C.E. ... | 5 | 1 0 | 1308 | ... | 47·32 | ... | ... |
| D | Padiham (Huntroyde) ... ... ... | C. Russell Ingham, Esq. ... | 5 | 1 0 | 430 | 41·1 | 40·74 | 182 | 149 |
| D | Alston Reservoir (Preston W.W.) ... | E. C. Oakes, Esq., C.E. ... | 8 | 1 2 | 330 | 41·0 | 39·57 | 214 | 163 |
| | §Nelson (Red Spa Moor) ... ... | Nelson Corporation W.W. | 5 | 1 0 | 1175 | ... | 47·93 | ... | ... |
| D | §Nelson (Coldwell Res.) ... No. 3 | Nelson Corporation W.W. | 5 | 1 0 | 1060 | ... | 49·64 | 225 | 175 |
| D | Nelson (Coldwell Res.) ... No. 2 | Nelson Corporation W.W. | 5 | 1 0 | 960 | 46·3 | 46·38 | 226 | 171 |
| D | Whalley (Calderstones Institution) ... | C. R. Iken, Esq.* ... ... | 5 | 1 0 | 198 | ... | 41·46 | 194 | 146 |
| D | Nelson (Sewage Works) ... ... | Nelson Corporation W.W. | 5 | 1 0 | 359 | ... | 43·93 | 198 | 151 |
| D | NELSON (Walton Lane) ... (+A) | Medical Officer of Health ... | 5 | 1 0 | 540 | 40·6 | 41·70 | 204 | 156 |
| D | Ribchester Institution ... ... ... | E. G. Heaver, Esq.* ... | 5 | 1 0 | 279 | ... | 40·75 | 210 | 161 |
| D | STONYHURST College ... ... ... | Rev. J. Lawrence, S.J. ... | 8 | 1 10 | 377 | 46·5 | 47·35 | 196 | 163 |
| D | Cowley Brook (Preston W.W.) ... | E. C. Oakes, Esq., C.E. ... | 8 | 1 2 | 616 | ... | 45·96 | 217 | 177 |
| D | Spade Mill (Preston W.W.) ... ... | E. C. Oakes, Esq., C.E. ... | 8 | 1 2 | 374 | 41·7 | 41·59 | 210 | 174 |
| | Jeffrey Hill (Preston W.W.) ... ... | E. C. Oakes, Esq., C.E. ... | 8 | 1 2 | 900 | 47·3 | 45·63 | ... | ... |
| D | Sabden (Churn Clough Reservoir) ... | Water Engineer, Padiham | 5 | 1 0 | 790 | 41·2 | 43·40 | 198 | 165 |
| W | Sabden (Craggs Dole) ... ... ... | Water Engineer, Padiham | 8 | 1 0 | 1060 | 46·0 | 44·53 | ... | ... |
| D | §Barley (Ogden Reservoir) ... | Nelson Corporation W.W. | 5 | 1 0 | 908 | ... | 54·19 | 211 | 167 |
| D | §Pendle Hill (Buttock) ... ... ... | Nelson Corporation W.W. | 5 | 1 0 | 1175 | 49·9 | 55·03 | 213 | 171 |
| D | Colne (Swinden Sewage Works) ... | Borough Engineer ... ... | 5 | 1 0 | 423 | 42·0 | 40·11 | 197 | 146 |
| D | Colne (Judge Fields) ... ... (+A) | Borough Engineer ... ... | 5 | 1 0 | 558 | ... | 41·30 | 207 | 149 |
| D | Barrowford Reservoir ... ... ... | Docks & Inland Waterways | 8 | 1 0 | 473 | 41·0 | 43·17 | 183 | 141 |
| | §Nelson (Blackmoss Reservoir) ... | Nelson Corporation. W.W. | 5 | 1 0 | 825 | ... | 47·41 | ... | ... |
| d | Foulridge (Upper Reservoir) ... ... | Docks & Inland Waterways | 8 | 1 0 | 582 | 40·5 | 38·62 | 150 | 123 |
| d | Foulridge (Reedymoor) ... ... | Docks & Inland Waterways | 5 | 1 0 | 553 | ... | 40·11 | 151 | 131 |
| D | Chatburn School ... ... ... | E. P. Aldersley, Esq. ... | 5 | 1 0 | 322 | 43·0 | 40·52 | 193 | 155 |
| | Clitheroe (Downham Hall) ... ... | Sir R. C. Assheton, Bart. ... | 5 | 1 6 | 464 | ... | 38·88 | ... | ... |
| | 2.—RIBBLE. Douglas. 156 sq. mi. | | | | | | | | |
| D | Wigan W.W. (Billinge Higher End) ... | Borough Engineer ... ... | 5 | 1 0 | 374 | 37·5 | 37·97 | 185 | 151 |
| d | Wigan (Grammar School) ... ... | Headmaster ... ... ... | 5 | 1 0 | 120 | ... | 35·50 | 177 | 139 |
| D | Wigan W.W. (Worthington) ... ... | Borough Engineer ... ... | 5 | 1 0 | 225 | 35·4 | 37·70 | 181 | 146 |
| D | Horwich (Lower Rivington) ... ... | Liverpool Corpn. W.W. ... | 5 | 1 0 | 440 | 38·7 | 42·11 | 209 | 152 |
| M | Horwich (Gilsbrook Spring) ... ... | Liverpool Corpn. W.W. ... | 5 | 1 0 | 598 | ... | 43·13 | ... | ... |
| M | Rivington (Scotchman's Post)... ... | Liverpool Corpn. W.W. ... | 5 | 1 0 | 1425 | ... | 46·74 | ... | ... |
| M | Rivington (Hordern Stoops) ... ... | Liverpool Corpn. W.W. ... | 5 | 1 0 | 1065 | ... | 46·36 | ... | ... |
| M | Rivington (Brown Hill) ... ... | Liverpool Corpn. W.W. ... | 5 | 1 0 | 727 | ... | 43·50 | ... | ... |
| D | §Rivington (Stones House) ... ... | Liverpool Corpn. W.W. ... | 5 | 1 0 | 607 | ... | 42·46 | 234 | 168 |

* *Per* Lancashire River Board. § Turf wall round gauge.

## DIVISION VIII—NORTH-WESTERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1952 Rainfall | 1952 Days with ·01 in. or more | 1952 Days with ·04 in or more |
|---|---|---|---|---|---|---|---|---|---|
| | **CENTRAL LANCASHIRE—(*contd.*).** | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **2.—RIBBLE. Douglas.—(*contd.*)** | | | | | | | | |
| M | Rivington (Round Loaf) | Liverpool Corpn. W.W. | 5 | ... ... | 970 | ... | 48·27 | ... | ... |
| M | ‖Rivington (Great Hill) | Liverpool Corpn. W.W. | 5 | 1 0 | 1240 | ... | 50·09 | | ... |
| M | ‖Rivington (Coppice Stile) | Liverpool Corpn. W.W. | 5 | 1 0 | 879 | ... | 44·76 | ... | ... |
| | Rivington (Pimms) | Liverpool Corpn. W.W. | 5 | 1 0 | 987 | ... | 54·66 | ... | ... |
| M | Rivington (Gamekeeper's) | Liverpool Corpn. W.W. | 8 | 1 1 | 850 | 45·4 | 47·82 | ... | ... |
| M | Chorley (Filter Beds) | Liverpool Corpn. W.W. | 8 | 1 0 | 430 | ... | 43·02 | ... | ... |
| D | Chorley (Common Bank Sew. Wks.) | E. R. Jones, Esq. | 5 | 1 0 | 186 | ... | 36·55 | 202 | 145 |
| D | Bretherton (Bank Hall) | Lancashire River Board | 5 | 1 0 | 20 | ... | 33·80 | 196 | 142 |
| | **3.—COAST STREAMS. 52 sq. mi.** | | | | | | | | |
| D | Formby (The Dunes) | J. Harold Coney, Esq. | 5 | 0 9 | 30 | 29·8 | 28·90 | 179 | 128 |
| D | SOUTHPORT (Bedford Road Park) (+A) | Borough Council | 5 | 1 0 | 35 | 32·0 | 31·68 | 184 | 132 |
| D | Rufford (Pulmonary Hospital) | Head Gardener* | 5 | 1 0 | 38 | ... | 32·06 | 169 | 136 |
| D | Southport (Hesketh Park) (+A) | Borough Meteorologist | 8 | 1 0 | 37 | 32·0 | 30·59 | 190 | 132 |
| D | Southport (Marshside) | Borough Meteorologist | 5 | 0 11 | ... | ... | 28·97 | 176 | 133 |
| D | Crossens (Pumping Station) | L. J. Lepine, Esq. | 5 | 0 4 | 15 | ... | 29·33 | 160 | 133 |
| | **4.—OUSE. Aire. 2 sq. mi.** | | | | | | | | |
| d | Watersheddles Reservoir No. 2 | G. E. V. Boldry, Esq., C.E. | 5 | 1 0 | 1115 | ... | 49·80 | ... | ... |
| d | Foulridge (Canal Office) | Docks & Inland Waterways | 8 | 1 0 | 497 | 43·5 | 41·06 | 153 | 134 |
| | **NORTH LANCASHIRE. (Area, 609 sq. mi.)** | | | | | | | | |
| | **1.—DUDDON & C. 77 sq. mi.** | | | | | | | | |
| D | Barrow-in-Furness (Gas Works) | Water Engineer, Barrow | 5 | 1 0 | 17 | 37·6 | 34·66 | 185 | 133 |
| D | Barrow-in-Furness (Sew. Wks.) (+A) | J. N. Flitcroft, C.E. | 5 | 1 0 | 20 | 39·3 | 35·66 | 197 | 133 |
| | Barrow-in-Furness (Risedale M. Sch.) | Headmaster | 5 | 1 0 | 55 | ... | 32·15 | ... | ... |
| D | Barrow-in-Furness (Abbey Road) | P. M. Rainey, Esq. | 5 | 1 0 | 135 | ... | 34·71 | 185 | 138 |
| D | Barrow (Rakesmoor Lane) | C. H. Wilson, Esq., A.R.I.B.A. | 5 | 0 10 | 260 | ... | 37·14 | 192 | 144 |
| D | Little Urswick (North View) | Miss I. Dobson | 5 | 1 0 | 130 | 44·4 | 42·68 | 210 | 149 |
| D | Ulverston (Poaka Beck) | Water Engineer, Barrow | 5 | 1 0 | 512 | 52·1 | 46·48 | 201 | 163 |
| w | §Duddon Valley (Seathwaite Tarn) | Water Engineer, Barrow | 5 | 1 0 | 1221 | 92·7 | 88·40 | ... | ... |
| | **2.—LEVEN & C. 135 sq. mi.** | | | | | | | | |
| D | Ulverston (Pengwerne) | Mrs. A. M. Chapman | 5 | 1 2 | 124 | 50·1 | 48·28 | 213 | 158 |
| D | Ulverston (Park Road) | E. Satterthwaite, Esq. | 5 | 1 0 | 50 | ... | 46·00 | 214 | 153 |
| D | Haverthwaite (Outwood) | Sir Bryan Fell, K.C.M.G.† | 5 | 1 0 | 65 | 53·5 | 52·20 | 202 | 168 |
| D | Newby Bridge (Fell Foot) | P. S. Rhodes, Esq. | 5 | 1 0 | 175 | ... | 52·39 | 199 | 155 |
| D | Cartmel Fell (Tower Wood) | Windermere U.D.C. | 5 | 1 0 | 150 | ... | 52·57 | 202 | 156 |
| | Cartmel Fell (Ghyll Head Reservoir) | F. C. Needham, Esq. | 8 | 1 0 | 420 | 63·1 | 50·85 | ... | ... |
| D | Coniston (Holywath) | Major J. W. B. Hext | 8 | 0 9 | 250 | ... | 91·16 | 223 | 185 |
| D | Hawkeshead (Wraymires Fisheries) | Freshwater Biological Assoc. | 5 | 1 0 | 271 | ... | 59·71 | 207 | 167 |
| d | Sawrey (Ferry House) | Freshwater Biological Assoc. | 5 | 1 0 | 145 | ... | 52·92 | ... | ... |
| d | ‖High Wray (Huyton Hill School) | Freshwater Biological Assoc. | 5 | 9 0 | 129 | ... | 57·56 | ... | ... |
| | **3.—KENT & C. 45 sq. mi.** | | | | | | | | |
| d | Heysham Harbour | British Railways | 5 | 1 0 | 36 | 34·7 | 36·79 | ... | ... |
| D | MORECAMBE | Town Clerk | 8 | 1 0 | 23 | 37·0 | 35·86 | 166 | 134 |
| d | Morecambe (Stuart Avenue) | H. W. Apperley, Esq. | 5 | 1 0 | 18 | ... | 37·59 | 191 | 139 |
| D | Morecambe (Bare Lane) | K. M. Wolstencroft, Esq. | 5 | 0 11 | 20 | ... | 37·39 | 184 | 141 |
| D | Lindale (Ellerhow) | Lady Tomlinson | 5 | 1 0 | 300 | 51·4 | 44·54 | 195 | 142 |
| | **4.—LUNE. 135 sq. mi.** | | | | | | | | |
| D | Hampson-in-Ellel | John Welch, Esq. | 5 | 1 0 | 145 | 38·3 | 38·69 | 206 | 158 |
| D | Lancaster (Blea Tarn Reservoir) | L. Lyons, Esq., C.E. | 5 | 1 0 | 330 | ... | 44·68 | 193 | 155 |

‖ Site unorthodox. † For Freshwater Biological Association. § Turf wall round gauge.
* *Per* Lancashire River Board.

## DIVISION VIII NORTH-WESTERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1952 Rainfall | 1952 Days with ·01 in. or more | 1952 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **NORTH LANCASHIRE.—(*cont.*).** | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **4.—LUNE—(*contd.*).** | | | | | | | | |
| D | Lancaster (Stodday) | L. Lyons, Esq., C.E. | 5 | 1 0 | 25 | ... | 38·54 | 183 | 140 |
| d | Lancaster (Lune Aqueduct) | Docks & Inland Waterways | 8 | 1 0 | 74 | 38·4 | 42·12 | 185 | 142 |
| | **5.—WYRE & C. 213 sq. mi.** | | | | | | | | |
| D | Hornby (The Snab) | A. T. Storey, Esq. | 5 | 1 0 | 110 | ... | 43·32 | 191 | 152 |
| D | Weeton Reservoir ... No. 1 | Fylde Water Board | 5 | 1 0 | 133 | 36·6 | 35·27 | 191 | 150 |
| D | Fulwood W.W. (Haighton Reservoir) | Lancashire River Board | 5 | 1 0 | 264 | ... | 37·80 | 191 | 143 |
| D | KIRKHAM (Esprick) | Director, Fairfield E.H. Stn. | 5 | 1 0 | 78 | ... | 35·47 | 174 | 145 |
| D | St. Michael's-on-Wyre (Fairway) | E. W. Hornby, Esq. | 5 | 1 0 | 26 | 36·0 | 34·31 | 176 | 136 |
| D | Fulwood W.W. (Barnsfold Reservoir) | Lancashire River Board | 5 | 1 0 | 508 | ... | 46·92 | 218 | 170 |
| D | Garstang (Grizedale Avenue) | J. Bainbridge, Esq. | 5 | 1 0 | 70 | ... | 35·06 | 178 | 137 |
| D | FLEETWOOD (Memorial Park) | Town Clerk | 5 | 1 0 | 21 | ... | 31·80 | 167 | 124 |
| D | Garstang (Barnacre Reservoir) | Fylde Water Board | 5 | 1 0 | 616 | 45·7 | 47·42 | 217 | 169 |
| D | Garstang (Grizedale Reservoir) | Fylde Water Board | 5 | 1 0 | 517 | 43·6 | 41·99 | 215 | 147 |
| | Garstang (Calder Intake) | Fylde Water Board | 5 | 1 0 | 632 | 46·6 | 45·96 | ... | ... |
| D | Garstang (Scorton) | W. G. Richmond, Esq. | 5 | 1 0 | 92 | ... | 41·41 | 188 | 149 |
| | Garstang (Grizedale Intake) | Fylde Water Board | 5 | 1 0 | 644 | 46·6 | 45·68 | ... | ... |
| D | Wyresdale (Abbeystead Reservoir) | L. Lyons, Esq., C.E. | 5 | 1 0 | 366 | 47·9 | 52·15 | 205 | 181 |
| D | Abbeystead Gardens | Mr. George Penk | 5 | 1 0 | 420 | 50·1 | 50·58 | 213 | 166 |
| D | Damas Ghyll Reservoir | L. Lyons, Esq., C.E. | 5 | 1 0 | 590 | ... | 48·16 | 202 | 163 |
| M | Quernmore (Old Gauge Basin) | L. Lyons, Esq., C.E. | 8 | 1 0 | 963 | 46·1 | 52·76 | ... | ... |
| M | Quernmore (Hare Syke) | L. Lyons, Esq., C.E. | 5 | 1 0 | 1610 | ... | 72·80 | ... | ... |
| | **6.—INSULAR. 4 sq. mi.** | | | | | | | | |

## DIVISION IX—YORKSHIRE

| | WEST RIDING. (Area, 2,803 sq. mi.) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | **1.—LUNE. 178 sq. mi.** | | | | | | | | |
| D | High Bentham (Inglefield) | Geoffrey Holmes, Esq. | 5 | 1 0 | 412 | ... | 40·67 | 193 | 146 |
| D | Sedbergh (Brigflatts) | The Misses Wilson | 5 | 1 0 | 305 | 53·0 | 47·63 | 212 | 158 |
| d | Sedbergh School | H. Dawson, Esq. | 5 | 1 0 | 400 | ... | 46·17 | 205 | 156 |
| | **2.—RIBBLE. 225 sq. mi.** | | | | | | | | |
| D | Colne (Lower Coppy) | L. Broughton, Esq., C.E. | 5 | 1 7 | 975 | ... | 41·95 | 194 | 161 |
| D | Colne (Laneshaw Reservoir) | L. Broughton, Esq., C.E. | 5 | 1 9 | 795 | ... | 41·95 | 195 | 156 |
| d | Barnoldswick (Greenberfield, 1) | Docks & Inland Waterways | 8 | 1 0 | 488 | 41·5 | 33·93 | ... | 129 |
| | Slaidburn (Hareden Fell) | E. C. Oakes, Esq., C.E. | 8 | 1 2 | 1300 | ... | 75·66 | ... | ... |
| D | Slaidburn (Hareden Valley) | E. C. Oakes, Esq., C.E. | 8 | 1 2 | 563 | 68·3 | 70·23 | 247 | 177 |
| D | Slaidburn (Langden Brook) | E. C. Oakes, Esq., C.E. | 8 | 1 2 | 559 | 68·6 | 72·04 | 225 | 179 |
| | Slaidburn (Holdron Moss) | E. C. Oakes, Esq., C.E. | 8 | 1 2 | 1300 | ... | 75·98 | ... | ... |
| | Slaidburn (Dunsop Houses) | G. McKay, Esq., C.E. | 8 | 1 6 | 450 | 62·9 | 62·24 | ... | 174 |
| D | Slaidburn (Footholme) | G. McKay, Esq., C.E. | 8 | 1 6 | 565 | ... | 62·06 | 175 | 167 |
| M | Slaidburn (Middle Knoll) | G. McKay, Esq., C.E. | 5 | 1 0 | 1288 | 67·5 | 72·85 | ... | ... |
| d | Slaidburn (Brennand) | G. McKay, Esq., C.E. | 8 | 1 6 | 820 | 68·3 | 70·53 | 174 | 169 |
| d | Slaidburn (Croasdale House) | G. McKay, Esq., C.E. | 8 | 1 6 | 600 | 56·7 | 57·12 | ... | ... |
| D | Slaidburn (Stocks) ...No. 10 | Fylde Water Board | 5 | 1 0 | 658 | ... | 56·83 | 205 | 173 |
| D | Slaidburn (Stocks) ...No. 11 | Fylde Water Board | 5 | 1 0 | 629 | ... | 58·54 | 205 | 173 |
| d | Slaidburn (Croasdale Valley) | G. McKay, Esq., C.E. | 8 | 1 6 | 720 | ... | 57·96 | ... | ... |
| d | Slaidburn (Whitendale) | G. McKay, Esq., C.E. | 8 | 1 6 | 830 | 70·0 | 74·44 | ... | ... |
| | Slaidburn (Dalehead) | Fylde Water Board | 5 | 1 0 | 610 | ... | 59·44 | ... | ... |
| M | Slaidburn (Cabin Hill) | G. McKay, Esq., C.E. | 5 | 1 0 | 1559 | 68·5 | 74·20 | ... | ... |
| M | Slaidburn (Baxton Fell) | G. McKay, Esq., C.E. | 5 | 1 0 | 1525 | 75·8 | 79·86 | ... | ... |
| M | Slaidburn (Saddle Hill) | G. McKay, Esq., C.E. | 5 | 1 0 | 1425 | ... | 67·02 | ... | ... |
| | Settle (Bottoms) | Fylde Water Board | 5 | 1 0 | 864 | ... | 54·35 | ... | ... |
| | Settle (Catlow) | Fylde Water Board | 5 | 1 0 | 827 | ... | 62·27 | ... | ... |
| | Settle (Lamb Hill) | Fylde Water Board | 5 | 1 0 | 1328 | 67·3 | 65·68 | ... | ... |
| D | Settle (Gas Works) | J. E. Ashworth, Esq. | 8 | 2 6 | 450 | 43·9 | 40·86 | 181 | 143 |
| D | Giggleswick (Belfield) | E. H. Horner, Esq. | 5 | 1 0 | 600 | ... | 37·60 | 174 | 145 |

## DIVISION IX—YORKSHIRE—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1952 Rainfall | 1952 Days with ·01 in. or more | 1952 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **WEST RIDING—(*contd.*).** | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **3.—MERSEY. Irwell. 2 sq. mi.** | | | | | | | | |
| D | Oldham (Strinesdale) ... ... .. | C. Busfield, Esq., C.E. ... | 5 | 1 0 | 791 | 42·8 | 40·87 | 195 | 152 |
| | **4.—MERSEY. UPPER. 35 sq. mi.** | | | | | | | | |
| | Greenfield (Chew, Blindstones) ... | M. T. B. Whitson, Esq., C.E. | 5 | 1 0 | 1745 | ... | 55·93 | ... | ... |
| | Greenfield (Chew Great Gruff) ... | M. T. B. Whitson, Esq., C.E. | 5 | 1 0 | 1650 | ... | 54·53 | ... | ... |
| D | Greenfield (Chew Mount) ... ... | M. T. B. Whitson, Esq., C.E. | 5 | 1 0 | 1578 | 50·7 | 55·64 | 232 | 180 |
| W | Greenfield (Chew Reservoir) ... ... | M. T. B. Whitson, Esq., C.E. | 5 | 1 0 | 1648 | ... | 58·56 | ... | ... |
| | Greenfield (Chew Sluice) ... ... | M. T. B. Whitson, Esq., C.E. | 5 | 1 0 | 1670 | ... | 55·65 | ... | ... |
| D | Greenfield (Sewage Disposal Works) ... | Manager ... ... ... | 5 | 1 1 | 499 | 42·0 | 41·54 | 203 | 149 |
| D | Greenfield (Yeoman Hey) ... ... | M. T. B. Whitson, Esq., C.E. | 5 | 1 0 | 784 | 49·1 | 50·90 | 214 | 182 |
| W | Greenfield (Ashway Moss) ... ... | M. T. B. Whitson, Esq., C.E. | 5 | 1 0 | 1581 | ... | 54·29 | ... | ... |
| W | Greenfield (Birchen Clough) ... ... | M. T. B. Whitson, Esq., C.E. | 5 | 1 0 | 1018 | 51·4 | 50·93 | ... | ... |
| W | Greenfield (Upperwood Moor) ... | M. T. B. Whitson, Esq., C.E. | 5 | 1 0 | 1518 | ... | 52·07 | ... | ... |
| d | Saddleworth Station ... ... ... | Docks & Inland Waterways | 5 | 1 0 | 574 | 45·4 | 46·25 | 167 | 146 |
| D | Standedge (Cas. Shaw Broadhead) ... | C. Busfield, Esq., C.E. ... | 8 | 1 0 | 857 | 51·5 | 52·03 | 242 | 185 |
| D | Denshaw (C. E. School) ... ... | Head Teacher ... ... | 8 | 1 1 | 870 | ... | 47·52 | 192 | 156 |
| D | Denshaw (Ox Hey) ... ... ... | C. Busfield, Esq., C.E. ... | 8 | 1 0 | 1031 | 47·1 | 45·38 | 224 | 161 |
| D | Denshaw (Crawshaw Hey) ... ... | C. Busfield, Esq., C.E. ... | 8 | 1 0 | 956 | 47·0 | 44·86 | 224 | 165 |
| D | Denshaw (New Year's Bridge) ... | C. Busfield, Esq., C.E. ... | 8 | 1 0 | 986 | ... | 43·31 | 224 | 160 |
| | **5.—TRENT. Derwent. 9 sq. mi.** | | | | | | | | |
| d | Burbage (Parson's House) ... ... | Sheffield Corporation W.W. | 8 | 1 0 | 1307 | 36·1 | 33·44 | ... | ... |
| | Burbage (Higger Lodge) ... ... | Sheffield Corporation W.W. | 5 | 1 0 | 1225 | 36·8 | 33·93 | ... | ... |
| | §Burbage (Upper Burbage) ... ... | Sheffield Corporation W.W. | 5 | 1 0 | 1364 | 38·1 | 36·21 | ... | ... |
| M | Derwent Dale (Howden Dean) No. 72 | Derwent Valley Water Bd. | 5 | 1 0 | 960 | ... | 51·02 | ... | ... |
| M | §Derwent Dale (Howden Cl'gh) No. 64A | Derwent Valley Water Bd.... | 5 | 1 0 | 1010 | 44·4 | 50·69 | ... | ... |
| M | §Derwent Dale (Sandy Lee) ...No. 7A | Derwent Valley Water Bd. | 5 | 1 0 | 1320 | ... | (54·68) | ... | ... |
| | **6.—TRENT. Left Bank Tributaries. 143 sq. mi.** | | | | | | | | |
| D | Tickhill (Dadsley Road) ... ... | K. G. Brown, Esq. ... ... | 5 | 1 0 | 60 | ... | 18·51 | 170 | 88 |
| D | Austerfield (Pumping Station)... ... | Doncaster & Tickhill W. Bd. | 8 | 1 0 | 32 | ... | 16·01 | 169 | 93 |
| D | Rossington (Main Colliery) ... ... | National Coal Board ... | 5 | 1 0 | 22 | ... | 17·76 | 136 | 93 |
| D | FINNINGLEY Airfield ... ... (+A) | Meteorological Office ... | 5 | 1 1 | 32 | ... | 16·44 | 159 | 88 |
| D | Balby (Sewage Works) ... (+A) | M. Cawley, Esq., C.E. ... | 5 | 1 0 | 29 | ... | 18·00 | 156 | 94 |
| D | Doncaster (Low Pasture Pumping Stn.) | M. Cawley, Esq., C.E. ... | 5 | 1 0 | 24 | ... | 18·15 | 154 | 95 |
| | **7.—OUSE. Don. 574 sq. mi.** | | | | | | | | |
| | Burbage (Badger House) ... ... | Sheffield Corporation W.W. | 5 | 1 0 | 1138 | ... | 35·06 | ... | .... |
| D | Woodhouse (Coisley Hill Works) ... | J. H. Edmondson, Esq. ... | 5 | ... ... | 243 | ... | 23·75 | 180 | 113 |
| D | Sheffield W.W. (Redmires Res.) (R) | Sheffield Corporation W.W. | 10 | 5 0 | 1110 | 40·3 | 38·52 | 211 | 149 |
| D | Sheffield W.W. (Redmires Res.) ... | Sheffield Corporation W.W. | 5 | 1 0 | 1110 | 41·0 | 38·33 | 212 | 150 |
| | Rivelin (Oaking Clough) ... ... | Sheffield Corporation W.W. | 8 | 1 0 | 1160 | 39·8 | 39·25 | ... | ... |
| | Rivelin (Oaking Clough) ... No. 2 | Sheffield Corporation W.W. | 5 | 1 0 | 1185 | ... | 40·67 | ... | ... |
| | Rivelin (Middle Moss) ... ... | Sheffield Corporation W.W. | 5 | 1 0 | 1168 | 41·0 | 41·31 | ... | ... |
| D | Sheffield W.W. (Rivelin) ... (+A) | Sheffield Corporation W.W. | 8 | 1 0 | 564 | 35·2 | 33·62 | 185 | 134 |
| | Sheffield W.W. (Black Clough) ... | Sheffield Corporation W.W. | 5 | 1 0 | 1175 | 40·3 | 41·60 | ... | ... |
| D | Sheffield W.W. (Crookes) ... ... | Sheffield Corporation W.W. | 5 | 1 0 | 629 | 31·0 | 28·54 | 188 | 129 |
| D | SHEFFIELD (Weston Park) ... ... | Borough Council ... ... | 5 | 1 0 | 428 | 30·4 | 27·28 | 171 | 121 |
| | Loxley Valley (Crawshaw Wood) ... | Sheffield Corporation W.W. | 5 | 1 0 | 1175 | ... | 38·85 | ... | ... |
| | Loxley Valley (Broadcar) ... ... | Sheffield Corporation W.W. | 5 | 1 0 | 1004 | 44·4 | 44·41 | ... | ... |
| | Loxley Valley (Oakes Fm., Damflask) | Sheffield Corporation W.W. | 5 | 1 0 | 650 | 36·1 | 36·07 | ... | ... |
| | Loxley Valley (Loftshaw, Strines) ... | Sheffield Corporation W.W. | 5 | 1 0 | 1003 | 43·2 | 42·19 | ... | ... |
| D | Loxley Valley (Bradfield Filters) ... | Sheffield Corporation W.W. | 8 | 1 0 | 551 | ... | 35·60 | 202 | 144 |
| D | Loxley Valley (Dale Dike Reservoir)... | Sheffield Corporation W.W. | 8 | 1 0 | 715 | 41·9 | 40·80 | 216 | 150 |
| | Loxley Valley (Brogging Moss) ... | Sheffield Corporation W.W. | 5 | 1 0 | 1360 | ... | 47·46 | ... | ... |

§ Turf wall round gauge.

## DIVISION IX—YORKSHIRE—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Height of Rim above Ground | Height of Ground above Sea Level | Average Rainfall | 1952 Rainfall | Days with ·01 in. or more | Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **WEST RIDING—(*contd.*).** | | *in.* | *ft.* | *ft.* | *in.* | *in.* | | |
| | **7.—OUSE. Don—(*contd.*).** | | | | | | | | |
| | Loxley Valley (Thornseat) ... ... | Sheffield Corporation W.W. | 5 | 1 0 | 1326 | 42·6 | 43·16 | ... | ... |
| | Loxley Valley (Rocher Flat) ... ... | Sheffield Corporation W.W. | 5 | 1 0 | 1106 | ... | 36·75 | ... | ... |
| | Loxley Valley (Emlin Moor) ... ... | Sheffield Corporation W.W. | 5 | 1 0 | 998 | 41·3 | 41·34 | ... | ... |
| | §Loxley Valley (White Lee Moor) ... | Sheffield Corporation W.W. | 5 | 1 0 | 1170 | ... | 38·63 | ... | ... |
| | Loxley Valley (Hobson Moss) ... | Sheffield Corporation W.W. | 5 | 1 0 | 1530 | ... | 45·50 | ... | ... |
| d | Rotherham (Ulley Reservoir) ... No. 2 | E. J. Manson, Esq., C.E. ... | 5 | 1 0 | 184 | 23·4 | 19·32 | ... | ... |
| d | Rotherham (Ulley Reservoir) ... No. 3 | E. J. Manson, Esq., C.E. ... | 5 | 1 0 | 132 | 23·2 | 20·38 | ... | ... |
| D | Wincobank (Sewage Works) ... ... | J. H. Edmondson, Esq. ... | 5 | 1 6 | 110 | 23·0 | 19·22 | 153 | 94 |
| D | ROTHERHAM (Broom Lane) ... ... | L. Atkinson, Esq. ... ... | 5 | 1 0 | 284 | ... | 19·63 | 169 | 103 |
| | Rotherham (Herringthorpe) ... ... | G. S. Fellows, Esq. ... | 5 | 0 9 | 213 | ... | 19·24 | ... | ... |
| D | Rotherham (Ramsden Road) ... ... | H. V. Radcliffe, Esq. ... | 5 | 1 0 | 180 | ... | 18·88 | 147 | 94 |
| D | Rotherham (Kimberworth School) ... | E. J. Manson, Esq., C.E. | 5 | 1 0 | 285 | 24·7 | 20·20 | 164 | 108 |
| D | Rotherham (Aldwarke Sewage Works) | E. J. Manson, Esq., C.E. ... | 5 | 3 0 | 70 | ... | 18·93 | 148 | 91 |
| D | Rotherham (Thrybergh) ... ... | M. Cawley, Esq., C.E. ... | 8 | 1 0 | 184 | 23·8 | 20·72 | 179 | 109 |
| D | Conisborough (Firsby Reservoir) ... | M. Cawley, Esq., C.E. ... | 8 | 1 3 | 189 | 26·1 | 19·46 | 176 | 94 |
| | §Ewden (Middle Moss) ... ... ... | Sheffield Corporation W.W. | 5 | 1 0 | 1600 | 51·0 | 49·86 | ... | ... |
| | Ewden (Broomhead Moor) ... ... | Sheffield Corporation W.W. | 5 | 1 0 | 1370 | 47·8 | 43·23 | ... | ... |
| d | Ewden (Canyard Brook) ... ... | Sheffield Corporation W.W. | 5 | 1 0 | 585 | ... | 35·93 | ... | ... |
| | Ewden (Candle Rush) ... ... ... | Sheffield Corporation W.W. | 5 | 1 0 | 1400 | ... | 49·41 | ... | ... |
| | Ewden (Broomhead Hall) ... ... | Sheffield Corporation W.W. | 5 | 1 0 | 900 | 42·1 | 36·47 | ... | ... |
| D | Ewden (More Hall Reservoir) ... ... | Sheffield Corporation W.W. | 8 | 1 0 | 408 | 33·9 | 31·25 | 193 | 132 |
| D | Ewden (Broomhead Reservoir) ... | Sheffield Corporation W.W. | 5 | 1 0 | 484 | ... | 34·21 | 194 | 134 |
| | Ewden (Margery Hill) ... ... No. 2 | Sheffield Corporation W.W. | 5 | 1 0 | 1784 | 52·3 | 51·62 | ... | ... |
| | Ewden (Brown Edge) ... ... ... | Sheffield Corporation W.W. | 5 | 1 0 | 1325 | 50·5 | 44·43 | ... | ... |
| | Wentworth Woodhouse ... ... | Mr. A. Young ... ... | 5 | 1 0 | 360 | 27·2 | 23·39 | ... | ... |
| D | Mexborough ... ... ... ... | Surveyor, U.D.C. ... ... | 5 | 1 6 | 77 | 23·4 | 17·42 | 143 | 84 |
| D | Wortley (Service Reservoir) ... ... | W. G. Lees, Esq., C.E. ... | 5 | 1 0 | 700 | 30·0 | 26·67 | 213 | 129 |
| D | Midhope Moor (Barnside) ... ... | W. G. Lees, Esq., C.E. ... | 5 | 1 0 | 1000 | 43·4 | 44·08 | 210 | 153 |
| | Little Don Valley (Laund Clough) ... | Sheffield Corporation W.W. | 5 | 1 0 | 1515 | ... | 54·42 | ... | ... |
| d | Little Don Valley (Underbank Res.) ... | Sheffield Corporation W.W. | 8 | 1 0 | 604 | 36·8 | 33·20 | ... | ... |
| | Little Don Valley (Brockholes) ... ... | Sheffield Corporation W.W. | 5 | 1 0 | 902 | 37·6 | 33·30 | ... | ... |
| | Little Don Valley (Sheep House) ... | Sheffield Corporation W.W. | 5 | 1 6 | 945 | 34·6 | 30·87 | ... | ... |
| D | Langsett Moor (Midhope) ... ... | W. G. Lees, Esq., C.E. ... | 5 | 1 0 | 830 | ... | 40·76 | 192 | 142 |
| D | Langsett Moor (Upper Midhope) ... | Sheffield Corporation W.W. | 8 | 1 6 | 925 | 41·6 | 37·64 | 211 | 141 |
| | §Langsett Moor (Mickleden) ... ... | Sheffield Corporation W.W. | 5 | 1 0 | 1217 | 48·0 | 47·20 | ... | ... |
| | Langsett Moor (Mickleden Edge) ... | Sheffield Corporation W.W. | 5 | 1 0 | 1110 | 50·3 | 51·93 | ... | ... |
| | Langsett Moor (Catclough) ... ... | Sheffield Corporation W.W. | 8 | 1 0 | 1516 | 47·8 | 51·98 | ... | ... |
| | §Langsett Moor (Fiddlers Green) ... | Sheffield Corporation W.W. | 5 | 1 0 | 1493 | 48·7 | 48·16 | ... | ... |
| | Langsett Moor (Fiddlers G.) *Check* | Sheffield Corporation W.W. | 5 | 1 0 | 1480 | 49·1 | 51·17 | ... | ... |
| | §Dunford Bridge (Woodland Clough) ... | D. E. Strachan, Esq., C.E. ... | 5 | 1 0 | 1440 | ... | (56·20) | ... | ... |
| | §Dunford Bridge (Brown's Cl'gh) No. 10 | D. E. Strachan, Esq., C.E. | 5 | 1 0 | 1405 | ... | 58·85 | ... | ... |
| | Langsett Moor (Border Hill) ... ... | Sheffield Corporation W.W. | 5 | 1 0 | 1148 | 46·9 | 42·95 | ... | ... |
| D | Langsett Moor (Swinden Lodge) ... | Sheffield Corporation W.W. | 8 | 1 0 | 1032 | 44·0 | 40·74 | 217 | 151 |
| D | Langsett Reservoir ... ... (+A) | Sheffield Corporation W.W. | 5 | 1 0 | 820 | ... | 36·23 | 198 | 138 |
| D | Langsett Moor (Flouch Road) ... | Sheffield Corporation W.W. | 8 | 1 0 | 960 | 42·2 | 38·61 | 210 | 140 |
| D | Wath-upon-Dearne (Wath Wood Res.) | Water Engineer ... ... | 5 | 0 8 | 330 | ... | 18·97 | 170 | 105 |
| D | Hoyland Nether (King Street) ... | Dearne Valley Water Board | 5 | 1 6 | 500 | ... | 19·81 | 147 | 111 |
| W | §Hazlehead (Town Brook Intake) ... | W. G. Lees, Esq., C.E. ... | 5 | 1 0 | 1037 | ... | 44·41 | ... | ... |
| W | §Dunford Bridge (Long Grain) ... | W. G. Lees, Esq., C.E. ... | 5 | 1 0 | 1125 | ... | 47·62 | ... | ... |
| d | §Wogden Foot (Cat Clough) ... ... | W. G. Lees, C.E. ... ... | 5 | 1 0 | 889 | ... | 44·33 | ... | ... |
| D | Doncaster (Pumping Station) ... | M. Cawley, Esq., C.E. ... | 5 | 1 0 | 31 | ... | 18·78 | 146 | 100 |
| D | Bolton-on-Dearne (Goldthorpe) ... | Dearne Valley Water Board | 5 | 1 6 | 93 | 24·3 | 19·36 | 169 | 100 |
| | §Dunford Bridge (Dearden Moss) ... | D. E. Strachan, Esq., C.E. | 5 | 1 0 | 1500 | ... | 57·40 | ... | ... |
| D | Dunford Bridge (Stoney Gate) ... | D. E. Strachan, Esq., C.E. | 5 | 1 0 | 1086 | ... | 49·46 | 209 | 164 |
| | §Dunford Bridge (End Springs) ... | D. E. Strachan, Esq., C.E. | 5 | 1 0 | 1450 | ... | 59·25 | ... | ... |

§ Turf wall round gauge.

## DIVISION IX—YORKSHIRE—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1952 Rainfall | 1952 Days with ·01 in. or more | 1952 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **WEST RIDING—(*contd.*).** | | *in.* | *ft.* *in.* | *ft.* | *in.* | *in.* | | |
| | **7.—OUSE. Don.—(*contd.*).** | | | | | | | | |
| D | §Dunford Bridge Reservoir ... ... | D. E. Strachan, Esq., C.E. | 5 | 1 0 | 1081 | ... | 49·88 | 215 | 164 |
| | Dunford Bridge (Grains Plantations) | D. E. Strachan, Esq., C.E. | 5 | 1 0 | 1150 | ... | 48·75 | ... | ... |
| | §Dunford Bridge (Swines Clough Moss) | D. E. Strachan, Esq., C.E. | 5 | 1 0 | 1503 | ... | 61·05 | ... | ... |
| d | Wombwell (Broomhill Waterworks) ... | Dearne Valley Water Board | 5 | 1 6 | 75 | ... | 17·25 | ... | ... |
| D | §Dunford Bridge (Harden) ... ... | D. E. Strachan, Esq., C.E. | 5 | 1 0 | 1204 | ... | 48·97 | 218 | 166 |
| | §Dunford Bridge (Reaps Slack) ... | D. E. Strachan, Esq., C.E. | 5 | 1 0 | 1490 | ... | 58·85 | ... | ... |
| D | Barnsley (Worsborough Bridge) ... | Engineer and Surveyor ... | 5 | 1 6 | 150 | ... | 19·81 | 188 | 105 |
| d | Darfield (Sewage Works) ... ... | Surveyor ... ... ... | 5 | 1 0 | 83 | ... | 18·40 | ... | ... |
| D | §Penistone (Royd Moor) ... ... | W. G. Lees, Esq., C.E. ... | 5 | 1 0 | 835 | ... | 31·84 | 193 | 145 |
| M | Penistone (Gringley Carr) ... ... | W. G. Lees, Esq., C.E. ... | 5 | 1 0 | 1090 | ... | 37·45 | ... | ... |
| D | Penistone (Ingbirchworth Reservoir)... | W. G. Lees, Esq., C.E. ... | 5 | 1 0 | 853 | ... | 32·68 | 189 | 142 |
| | Penistone (Spicer House) ... ... | W. G. Lees, Esq., C.E. ... | 5 | 1 0 | 985 | ... | 34·20 | ... | ... |
| D | §Penistone (Broadstone Reservoir) ... | W. G. Lees, Esq., C.E. ... | 5 | 1 0 | 1030 | ... | 38·44 | 210 | 155 |
| W | Hepworth (Pottersgate House) ... | W. G. Lees, Esq., C.E. ... | 5 | 1 0 | 1165 | ... | 35·76 | ... | ... |
| d | Barnsley (Queens Road) ... ... | Borough Engineer ... ... | 5 | 1 0 | 310 | ... | 21·40 | ... | 118 |
| D | Barnsley (Jordan Hill) ... ... ... | W. G. Lees, Esq., C.E. ... | 5 | 1 0 | 460 | 26·2 | 19·93 | 160 | 103 |
| d | Doncaster (Sandall Works) ... ... | M. Cawley, Esq., C.E. ... | 5 | 1 0 | 41 | ... | 18·17 | ... | ... |
| D | Bentley Colliery... ... ... ... | National Coal Board ... | 5 | 1 0 | 23 | ... | 18·19 | 156 | 97 |
| D | Cawthorne (Cannon Hall) ... ... | J. M. Spencer Stanhope, Esq. | 5 | 0 7 | 350 | 29·1 | 26·15 | 161 | 126 |
| D | Barnsley (Burntwood Hall) ... ... | R. Dymond, Esq. ... ... | 5 | 1 0 | 378 | 25·9 | 20·72 | 171 | 109 |
| D | Kirk Bramwith ... ... ... ... | C. E. Farran, Esq., C.E. ... | 5 | 2 6 | 22 | 23·2 | 15·79 | 175 | 92 |
| D | Thorne ... ... ... ... ... | Yorkshire Ouse River Board | 5 | 1 0 | 15 | ... | 18·29 | 156 | 100 |
| D | Hemsworth (Fitzwilliam) ... ... | Hemsworth & U.K. Coke Oven Co. Ltd. ... ... | 5 | 1 6 | 246 | 24·0 | 17·12 | 157 | 95 |
| d | Featherstone (Sec. Mod. School) ... | F. Corbett, Esq. ... ... | 5 | 1 0 | 195 | ... | 16·74 | 153 | 91 |
| D | Rawcliffe (Black Drain Pumping Stn.) | G. H. Simmons, Esq. ... | 5 | 0 10 | 10 | ... | 18·07 | 146 | 99 |
| D | Goole ... ... ... ... ... | Docks & Inland Waterways | 5 | 1 0 | 18 | 22·9 | 21·05 | 162 | 120 |
| | **8.—OUSE. Aire. Calder. 361 sq. mi.** | | | | | | | | |
| D | Great Hey ... ... ... ... | H. P. Joyce, Esq., C.E. ... | 5 | 1 0 | 1200 | ... | 62·43 | 216 | 181 |
| D | Hey Springs ... ... ... ... | H. P. Joyce, Esq., C.E. ... | 5 | 1 0 | 1100 | ... | 56·49 | 216 | 173 |
| D | Holmbridge (Yateholme) ... ... | H. P. Joyce, Esq., C.E. ... | 5 | 1 0 | 1009 | 59·2 | 56·34 | 216 | 170 |
| D | Holmbridge (Ramsden) ... ... | H. P. Joyce, Esq., C.E. ... | 5 | 1 0 | 861 | 56·4 | 53·45 | 218 | 164 |
| | Holmbridge (Bilberry Reservoir) ... | J. P. Beveridge, Esq., C.E. | 5 | 1 0 | 970 | ... | 46·56 | ... | ... |
| D | Holmfirth (Holme Styes Reservoir) ... | Water Engineer ... ... | 5 | 2 0 | 925 | 45·7 | 38·07 | 213 | 147 |
| | Holmfirth (Boshaw Whams Reservoir) | J. P. Beveridge, Esq., C.E.... | 5 | 1 0 | 930 | ... | 34·71 | ... | ... |
| | §Hepworth (Spring Head) (A) ... | W. G. Lees, Esq., C.E. ... | 5 | 1 0 | 1165 | ... | 36·65 | ... | ... |
| d | Holmfirth (Snape Reservoir) ... ... | Water Engineer ... ... | 5 | 2 0 | 1075 | ... | 39·35 | ... | ... |
| | Meltham (Harden Moss) ... ... | J. P. Beveridge, Esq., C.E. | 8 | 1 0 | 1212 | ... | 46·73 | ... | ... |
| | Wessenden Head ... ... ... | J. P. Beveridge, Esq., C.E. | 8 | 1 0 | 1200 | ... | 47·77 | ... | ... |
| | Wessenden (Holly Bank Moss) ... | J. P. Beveridge, Esq., C.E. | 8 | 1 0 | 1280 | ... | 49·62 | ... | ... |
| | Wessenden (Old Reservoir) ... ... | J. P. Beveridge, Esq., C.E. | 8 | 1 0 | 940 | ... | 46·73 | ... | ... |
| d | Stanedge (Redbrook Reservoir) ... | Docks & Inland Waterways | 5 | 1 0 | 1150 | ... | 50·04 | ... | ... |
| | Wessenden (Butterley Moss) ... ... | J. P. Beveridge, Esq., C.E. | 8 | 1 0 | 1110 | ... | 48·19 | ... | ... |
| | §Wessenden (Bobus) ... ... ... | J. P. Beveridge, Esq., C.E. | 8 | 1 0 | 1200 | ... | 45·68 | ... | ... |
| | Meltham (Brow Grains) ... ... | J. P. Beveridge, Esq., C.E. | 8 | 1 0 | 900 | 45·0 | 45·74 | ... | ... |
| d | Meltham (Royd Edge) ... ... | United Thread Mills, Ltd. | 8 | 1 0 | 585 | 48·3 | 47·47 | ... | ... |
| | Meltham Grange ... ... ... | J. P. Beveridge, Esq., C.E.... | 8 | 1 0 | 850 | 42·9 | 41·78 | ... | ... |
| d½* | Marsden Reservoir ... ... ... | Docks & Inland Waterways | 5 | 1 0 | 657 | 50·5 | 50·24 | ... | ... |
| | Marsden (Deerhill) ... ... ... | J. P. Beveridge, Esq., C.E. | 8 | 1 0 | 1149 | 45·0 | 49·44 | ... | ... |
| D | Slaithwaite (Blackmoorfoot) ... ... | J. P. Beveridge, Esq., C.E. | 8 | 1 0 | 800 | 43·1 | 39·12 | 215 | 152 |
| | Slaithwaite (Deanhead Reservoir) ... | J. P. Beveridge, Esq., C.E. | 5 | 1 0 | 1007 | ... | 47·77 | ... | ... |
| D | HUDDERSFIELD (RAVENSKNOWLE) ... | Corporation ... ... | 8 | 1 0 | 325 | ... | 27·02 | 169 | 127 |
| D | HUDDERSFIELD (OAKES) ... ... | S. Morris Bower, Esq., for M.O. | 5 | 1 0 | 761 | 34·9 | 33·65 | 203 | 142 |

* Gauge on a steep bank. § Turf wall round gauge.

## DIVISION IX—YORKSHIRE—(*contd.*)

| | STATIONS | | AUTHORITIES | Rain-gauge: Diam. | Rain-gauge: Height of Rim above Ground | Rain-gauge: Height of Ground above Sea Level | Average Rainfall | 1952: Rainfall | 1952: Days with ·01 in. or more | 1952: Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|---|
| | **WEST RIDING—(*contd.*).** | | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **8.—OUSE. Aire. Calder.—(*contd.*).** | | | | | | | | | |
| W | Moss Moor (Linsgreave) | ... | Wakefield Corpn. W.W. ... | 5 | 1 0 | 1264 | 52·3 | 50·32 | ... | ... |
| D | Rishworth (Great Walden Edge) | ... | Wakefield Corpn. W.W. ... | 5 | 1 0 | 1135 | 49·3 | 49·74 | 231 | 167 |
| W | Rishworth (Long Clough) | ... | Wakefield Corpn. W.W. ... | 5 | 1 0 | 1010 | 52·8 | 49·74 | ... | ... |
| D | §Rishworth Lodge | ... | Wakefield Corpn. W.W. ... | 5 | 0 11 | 950 | ... | 45·65 | 200 | 156 |
| W | Rishworth (Lodge Hole) | ... | Wakefield Corpn. W.W. ... | 5 | 1 0 | 1450 | ... | 52·26 | ... | ... |
| W | Rishworth (Pike End) | ... | Wakefield Corpn. W.W. ... | 5 | 1 0 | 1225 | 48·3 | 46·84 | ... | ... |
| D | Rishworth (Ringstone Res.) (*lower*) | | Wakefield Corpn. W.W. ... | 5 | 1 0 | 962 | 46·9 | 42·15 | 204 | 154 |
| W | Soyland Moor (Greystones) | ... | Wakefield Corpn. W.W. ... | 5 | 1 4 | 1192 | 52·6 | 45·78 | ... | ... |
| D | Soyland Moor (Rishworth Drain) | ... | C. Busfield, Esq., C.E. ... | 8 | 1 0 | 1301 | 52·9 | 46·53 | 224 | 166 |
| W | Soyland Moor (Waystone Drain) | ... | Wakefield Corpn. W.W. ... | 5 | 0 11 | 1206 | ... | 52·10 | ... | ... |
| D | Soyland Moor (Stansfield Hey) | ... | Wakefield Corpn. W.W. ... | 5 | 1 0 | 700 | 43·3 | 37·87 | 197 | 146 |
| W | Soyland Moor (Baitings) | ... | Wakefield Corpn. W.W. ... | 5 | 1 0 | 943 | 51·4 | 42·97 | ... | ... |
| D | Soyland Moor (Byron Edge) | ... | C. Busfield, Esq., C.E. ... | 8 | 1 0 | 1251 | 48·3 | 48·21 | 224 | 170 |
| W | Soyland Moor (Manshead) | ... | Wakefield Corpn. W.W. ... | 5 | 1 0 | 1225 | 51·6 | 47·03 | ... | ... |
| W | Soyland Moor (Turvin 1) | ... | Wakefield Corpn. W.W. ... | 5 | 1 0 | 1201 | ... | 43·55 | ... | ... |
| W | Soyland Moor (Turvin 2) | ... | Wakefield Corpn. W.W. ... | 5 | 1 0 | 996 | ... | 43·99 | ... | ... |
| D | Walsden (White Holme) | ... | C. Busfield, Esq., C.E. ... | 8 | 1 0 | 1240 | ... | 46·42 | 224 | 164 |
| D | §Walsden (Calf Lee) | ... | Rochdale Corporation ... | 8 | 1 0 | 960 | ... | 49·09 | 197 | 158 |
| D | Walsden (Warland Drain) | ... | Rochdale Corporation ... | 8 | 1 0 | 1250 | 51·9 | 47·28 | 196 | 160 |
| D | Horbury (Town Hall) | ... | E. F. Richley, Esq. ... | 5 | 1 6 | 250 | 23·3 | 20·08 | 150 | 95 |
| D | Wakefield (Sewage Works) | ... | Yorkshire Ouse River Bd. ... | 5 | 1 0 | 80 | ... | 18·15 | 161 | 103 |
| D | WAKEFIELD (Clarence Park) | ... | Corporation ... ... | 5 | 1 0 | 115 | 25·4 | 18·18 | 150 | 96 |
| D | Normanton (Haw Hill Park) | ... | Surveyor U.D.C. ... ... | 8 | 1 1 | 136 | 23·3 | 18·00 | 160 | 105 |
| W | Walsden (Ramsden Hill) | ... | Rochdale Corporation ... | 5 | 1 0 | 1326 | 52·0 | 48·89 | ... | ... |
| D | Walsden (Ramsden Reservoir) | ... | Rochdale Corporation ... | 5 | 1 0 | 993 | 52·7 | 49·90 | 199 | 158 |
| D | Todmorden (Gorpley Reservoir) | ... | Borough Engineer ... ... | 5 | 1 3 | 900 | ... | 55·16 | 213 | 161 |
| D | Todmorden (Fielden Hospital) | ... | L. A. Crabtree, Esq. ... | 5 | 1 0 | 650 | ... | 47·20 | 229 | 161 |
| D | Todmorden (Lower Laith) | ... | D. A. Lord, Esq., F.R.Met.S. | 5 | 1 0 | 500 | ... | 48·77 | 232 | 164 |
| D | Halifax (Public Library) | ... | Librarian ... ... ... | 8 | 1 0 | 625 | 34·3 | 30·77 | 191 | 134 |
| D | Dewsbury (Mitchell Laithes Sew. Wks.) | | Manager ... ... ... | 5 | 1 0 | 115 | ... | 21·89 | 154 | 105 |
| D | Dewsbury (Municipal Offices) | (+A) | Borough Engineer ... ... | 5 | 1 6 | 225 | ... | 20·25 | 141 | 108 |
| D | Dewsbury (Crow Nest Park) | ... | Superintendent of Parks ... | 8 | 1 0 | 300 | ... | 24·12 | 175 | 125 |
| D | Heckmondwike (The Bottoms) | | Spenborough U.D.C. ... | 5 | 1 0 | 165 | ... | 23·71 | 161 | 128 |
| D | Batley (Staincliffe Reservoir) | ... | H. P. Joyce, Esq., C.E. ... | 5 | 1 0 | 492 | 25·3 | 22·29 | 164 | 120 |
| D | Ardsley (Jaw Hill Filters) | ... | Wakefield Corpn. W.W. ... | 5 | 1 0 | 315 | 25·8 | 21·74 | 138 | 108 |
| D | Ardsley Reservoir (Upper) | ... | Wakefield Corpn. W.W. ... | 5 | 0 9 | 395 | 25·4 | 20·47 | 161 | 106 |
| D | Halifax W.W. (Albert Reservoir) | | A. C. Wildsmith, Esq., C.E. | 5 | 1 0 | 795 | 35·3 | 35·91 | 195 | 145 |
| D | Todmorden (Eastwood Sew. Wks.) | | Manager ... ... ... | 5 | 1 0 | 368 | ... | 45·76 | 206 | 153 |
| D | Mytholmroyd (Redacre) | ... | C. H. Brock, Esq. ... ... | 5 | 1 0 | 315 | ... | 39·84 | 193 | 139 |
| D | Halifax W.W. (Ramsden Wood) | | A. C. Wildsmith, Esq., C.E. | 5 | 1 0 | 815 | 38·3 | 40·58 | 186 | 148 |
| D | §Halifax W.W. (Castle Carr Lodge) | | A. C. Wildsmith, Esq., C.E. | 5 | 1 0 | 1060 | 42·6 | 41·80 | 189 | 159 |
| W | §Halifax W.W. (Gorple Res.) | No. 2 | A. C. Wildsmith, Esq., C.E. | 5 | 1 0 | 1275 | ... | 53·49 | ... | ... |
| W | Halifax W.W. (Coppy) | ... | A. C. Wildsmith, Esq., C.E. | 5 | 1 0 | 1141 | ... | 52·69 | ... | ... |
| W | Halifax W.W. (Midgley Moor) | | A. C. Wildsmith, Esq., C.E. | 8 | 1 0 | 1350 | 44·3 | 46·14 | ... | ... |
| W | §Halifax W.W. (Gorple Res.) | No. 3 | A. C. Wildsmith, Esq., C.E. | 5 | 1 0 | 1160 | ... | 49·28 | ... | ... |
| W | Halifax W.W. (Warley Moor) | | A. C. Wildsmith, Esq., C.E. | 8 | 1 0 | 1325 | 43·0 | 46·43 | ... | ... |
| D | Halifax W.W. (Ogden) | ... | A. C. Wildsmith, Esq., C.E. | 5 | 1 0 | 990 | ... | 39·73 | 183 | 146 |
| W | Halifax W.W. (Ovenden Moor) | | A. C. Wildsmith, Esq., C.E. | 8 | 1 0 | 1375 | 41·8 | 43·11 | ... | ... |
| D | §Halifax W.W. (Gorple Res.) | ... | A. C. Wildsmith, Esq., C.E. | 8 | 1 0 | 1028 | ... | 51·46 | 222 | 167 |
| W | Halifax W.W. (Widdop Res.) | No. 4 | A. C. Wildsmith, Esq., C.E. | 5 | 1 0 | 1060 | ... | 54·21 | ... | ... |
| D | §Halifax W.W. (Widdop Res.) | No. 2 | A. C. Wildsmith, Esq., C.E. | 5 | 1 0 | 1065 | ... | 52·35 | 220 | 174 |
| W | §Halifax W.W. (Widdop Res.) | No. 3 | A. C. Wildsmith, Esq., C.E. | 5 | 1 0 | 1060 | ... | 50·99 | ... | ... |
| D | §Halifax W.W. (Walshaw Dean Lodge) | | A. C. Wildsmith, Esq., C.E. | 5 | 1 0 | 1040 | 48·1 | 48·09 | 209 | 165 |
| W | §Halifax W.W. (Walshaw Dean) | No. 3 | A. C. Wildsmith, Esq., C.E. | 5 | 1 0 | 1180 | ... | 49·13 | ... | ... |
| W | Halifax W.W. (Widdop Res.) | No. 5 | A. C. Wildsmith, Esq., C.E. | 5 | 1 0 | 1280 | ... | 53·58 | ... | ... |
| W | §Halifax W.W. (Walshaw Dean) | No. 4 | A. C. Wildsmith, Esq., C.E. | 5 | 1 0 | 1425 | ... | 47·03 | ... | ... |

§Turf wall round gauge.

## DIVISION IX—YORKSHIRE—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge: Diam. | Rain-gauge: Height of Rim above Ground | Rain-gauge: Height of Ground above Sea Level | Average Rainfall | 1952: Rainfall | 1952: Days with ·01 in. or more | 1952: Days with ·01 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | WEST RIDING—(*contd.*). | | *in.* | *ft.* | *in.* *ft.* | *in.* | *in.* | | |
| | **9.—OUSE. Aire. 504 sq. mi.** | | | | | | | | |
| D | PONTEFRACT (The King's School) | Headmaster | 5 | 1 | 0 255 | 23·3 | 16·79 | 164 | 91 |
| D | Pontefract (Roall Waterworks) | A. F. Richmond, Esq., C.E. | 8 | 1 | 0 42 | 23·0 | 17·32 | 157 | 101 |
| D | Goole (Sewage Pumping Station) | Borough Engineer | 5 | 1 | 0 10 | ... | 19·32 | 153 | 104 |
| D | Rothwell (Lemonroyd Sew. Wks.) | Rothwell U.D.C. | 5 | 1 | 0 64 | ... | 19·54 | 170 | 100 |
| D | Selby (Brayton Barff Waterworks) | Waterworks Engineer | 8 | 1 | 0 173 | ... | 18·02 | 150 | 105 |
| | Bradford (Brayshaw Reservoir) | Waterworks Engineer | 5 | 1 | 0 982 | 36·5 | 33·67 | ... | ... |
| D | Bradford (Bowling Cemetery) | (+A) City Surveyor | 5 | 1 | 0 600 | ... | 29·23 | 175 | 132 |
| D | Bradford (Shearbridge Depot) | (+A) City Surveyor | 5 | 1 | 0 400 | ... | 28·87 | 156 | 124 |
| d | Bradford (Horton Park) | City Surveyor | 5 | 1 | 0 597 | ... | 29·62 | ... | ... |
| D | Bradford (Thornton Cemetery) | City Surveyor | 5 | 1 | 0 1003 | ... | 35·67 | 187 | 138 |
| D | Bradford (Peel Park) | City Surveyor | 5 | 1 | 0 450 | ... | 26·58 | 169 | 126 |
| D | BRADFORD (Lister Park) | Corporation | 8 | 1 | 0 439 | 33·9 | 28·58 | 167 | 123 |
| D | Bradford (Thornton Moor Filters) | Waterworks Engineer | 5 | 1 | 0 1190 | 44·3 | 44·46 | 219 | 161 |
| D | Bradford (Stubden Reservoir) | Waterworks Engineer | 5 | 1 | 0 1071 | 44·9 | 46·79 | 210 | 157 |
| M | Bradford (Nan Scar, Oxenhope) | Waterworks Engineer | 5 | 1 | 0 1101 | ... | 47·23 | ... | ... |
| M | Bradford (Stairs Top, Oxenhope) | Waterworks Engineer | 5 | 1 | 0 1360 | 52·4 | 49·25 | ... | ... |
| D | Bradford (Leeming Reservoir) | Waterworks Engineer | 5 | 1 | 0 850 | ... | 43·88 | 208 | 156 |
| D | Bradford (Doe Park Reservoir) | Waterworks Engineer | 5 | 1 | 0 754 | ... | 38·29 | 198 | 146 |
| D | Bradford (Leeshaw Reservoir) | Waterworks Engineer | 5 | 1 | 0 875 | 47·3 | 48·48 | 225 | 155 |
| | Bradford (Chellow Dean Reservoir) | Waterworks Engineer | 5 | 1 | 0 645 | 34·5 | 29·48 | ... | ... |
| D | Bradford (Chellow Heights Reservoir) | Waterworks Engineer | 5 | 1 | 0 848 | ... | 26·51 | 177 | 119 |
| D | Bradford (Hewenden Reservoir) | Waterworks Engineer | 5 | 1 | 0 707 | ... | 38·18 | 199 | 144 |
| D | Bradford (Heaton Reservoir) | Waterworks Engineer | 5 | 1 | 0 531 | ... | 28·26 | 169 | 120 |
| D | Leeds (Farnley Hall) | (+A) City Engineer | 5 | 1 | 0 405 | ... | 22·68 | 155 | 109 |
| | Leeds (Wortley Reservoir) | K. L. Forster, Esq., C.E. | 5 | 0 | 9 307 | 28·1 | 21·52 | ... | ... |
| | Leeds (Knostrop) | K. L. Forster, Esq., C.E. | 5 | 0 | 9 75 | 24·0 | 20·02 | ... | ... |
| D | Leeds (Civic Hall) | (+A) City Engineer | 5 | 1 | 0 193 | ... | 20·00 | 141 | 103 |
| | Leeds (Woodhouse Moor) | K. L. Forster, Esq., C.E. | 8 | 1 | 0 307 | 26·7 | 20·96 | ... | ... |
| d | Seacroft (Leeds City Hospital) | Medical Superintendent | 8 | 1 | 0 235 | 29·3 | 21·63 | ... | ... |
| D | Leeds (Chapel Allerton) | E. J. Tibbs, Esq. | 5 | 1 | 0 425 | ... | 22·70 | 159 | 113 |
| D | Leeds (Weetwood Filter Beds) | (+A) City Engineer | 8 | 1 | 0 328 | 27·5 | 23·34 | 154 | 110 |
| D | Leeds (Roundhay Park) | (+A) City Engineer | 5 | 1 | 0 425 | ... | 23·68 | 173 | 118 |
| d | Haworth (Harbour Lodge) | G. E. V. Boldry, Esq., C.E. | 8 | 1 | 0 1165 | 52·5 | 46·09 | 200 | 158 |
| D | Haworth (Lower Laithe Res.) | (+A) G. E. V. Boldry, Esq., C.E. | 6 | 1 | 0 772 | 48·1 | 42·90 | 196 | 146 |
| D | §Oakworth (Oldfield Filters) | No. 2 G. E. V. Boldry, Esq., C.E. | 5 | 1 | 0 978 | ... | 42·20 | 198 | 151 |
| M | §Oakworth (Keighley Moor) | G. E. V. Boldry, Esq., C.E. | 5 | 1 | 0 1300 | ... | 51·57 | ... | ... |
| M | §Oakworth (Clough Hey) | G. E. V. Boldry, Esq,. C.E. | 5 | 1 | 0 1075 | ... | 44·78 | ... | ... |
| W | Oakworth (Newsholme Dean) | G. E. V. Boldry, Esq., C.E. | 5 | 1 | 0 675 | ... | 40·25 | ... | ... |
| M | §Oakworth (Keighley Moor) | No. 2 G. E. V. Boldry, Esq., C.E. | 5 | 1 | 0 1025 | ... | 48·12 | ... | ... |
| d | Rawden (Sewage Works) | Aireborough U.D.C. | 8 | 1 | 6 160 | ... | 22·58 | ... | ... |
| d | Rawden (Micklefield House) | Aireborough U.D.C. | 5 | 1 | 0 579 | ... | 22·84 | ... | ... |
| D | BINGLEY (St. Ives Research Station) | Director | 8 | 1 | 0 610 | ... | 30·18 | 173 | 141 |
| D | §Bingley (Gilstead Filters) | Engineer, Bradford W.W. | 5 | 1 | 0 572 | ... | 28·84 | 171 | 141 |
| D | Baildon (Weecher Reservoir) | Surveyor & W.W. Engineer | 5 | 1 | 0 825 | ... | 30·28 | 189 | 139 |
| D | Adel (Lawns Wood Cemetery) | W. R. Pearson, Esq. | 5 | 1 | 1 470 | ... | 25·49 | 169 | 116 |
| D | Keighley (The Knowle) | P. Clough, Esq. | 5 | 1 | 0 390 | ... | 33·45 | 169 | 131 |
| D | Keighley (Hard Ings Lane) | Chief Sanitary Inspector | 5 | 0 | 10 304 | 35·7 | 30·70 | 164 | 127 |
| | Bingley (Sunnydale Res.) | Engineer, Bradford W.W. | 5 | 1 | 0 825 | 33·1 | 28·59 | ... | ... |
| d | Guiseley (Moor Top) | Aireborough U.D.C. | 8 | 1 | 6 750 | ... | 26·32 | ... | ... |
| d | Salterforth (Barnoldswick Waterworks) | Barnoldswick U.D.C. | 8 | 1 | 4 832 | 46·6 | 43·20 | ... | ... |
| D | Earby (Sewage Works) | (+A) Surveyor | 5 | 1 | 9 426 | 39·3 | 34·89 | 165 | 130 |
| M | Silsden (Gill Grange) | Engineer, Bradford W.W. | 5 | 1 | 0 883 | 30·8 | 29·85 | ... | ... |
| D | Silsden Reservoir | Engineer, Bradford W.W. | 5 | 1 | 0 560 | ... | 29·99 | 182 | 141 |
| M | Silsden (Cringles Reservoir Site) | Engineer, Bradford W.W. | 5 | 1 | 0 715 | 31·3 | 29·55 | ... | ... |

§ Turf wall round gauge.

## DIVISION IX—YORKSHIRE—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge: Diam. | Rain-gauge: Height of Rim above Ground | Rain-gauge: Height of Ground above Sea Level | Average Rainfall | 1952: Rainfall | 1952: Days with ·01 in. or more | 1952: Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **WEST RIDING—(*contd.*).** | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **9.—OUSE. Aire—(*contd.*).** | | | | | | | | |
| D | Elslack (Stories Farm) | Barnoldswick U.D.C. | 5 | 0 7 | 675 | ... | 37·03 | 178 | 139 |
| d | Skipton (Bowling Terrace) | A. Metcalfe, Esq. | 5 | 1 0 | 350 | ... | 34·45 | ... | ... |
| D | Skipton (Town Hall) | (+A) K. B. Robinson, Esq. | 8 | 1 2 | 367 | 33·5 | 33·24 | 199 | 133 |
| d | Gargrave (Banks Hill Bank) | Docks & Inland Waterways | 8 | 1 0 | 545 | 35·5 | 31·27 | ... | ... |
| D | Gargrave (Raybridge Hill) | Docks & Inland Waterways | 8 | 0 10 | 459 | 34·2 | 39·63 | 185 | 164 |
| | Winterburn (Long Hill) | Docks & Inland Waterways | 8 | 1 0 | 705 | 37·8 | 36·93 | 174 | 151 |
| W | Winterburn (Brown Hill) | Docks & Inland Waterways | 8 | 1 0 | 961 | 42·8 | 36·64 | ... | ... |
| D | Malham (Lee Gate) | Docks & Inland Waterways | 5 | 1 0 | 1175 | ... | 42·00 | 164 | 147 |
| D | Settle (MALHAM TARN) | C. Promotion Field Studies | 5 | 1 0 | 1297 | ... | 52·75 | 208 | 161 |
| | **10.—OUSE. Wharfe. 408 sq. mi.** | | | | | | | | |
| D | CHURCH FENTON Airfield | (+A) Meteorological Office | 8 | 1 0 | 27 | ... | 18·78 | 146 | 93 |
| D | CAWOOD (E. H. Farm) | Director | 5 | 1 0 | 20 | ... | 18·21 | 151 | 95 |
| | Adel (Eccup, East) | K. L. Forster, Esq., C.E. | 5 | 0 9 | 375 | 29·3 | 25·87 | ... | ... |
| | Harewood (Arthington) | K. L. Forster, Esq., C.E. | 8 | 0 9 | 139 | 32·0 | 24·11 | ... | ... |
| D | Harewood House | The Earl of Harewood | 5 | 0 10 | 300 | 29·7 | 26·35 | 141 | 112 |
| D | Otley (Sewage Works) | J. A. A. Pratt, Esq., C.E. | 5 | 1 7 | 172 | ... | 25·13 | 143 | 114 |
| D | ILKLEY (Spence's Garden) | Engineer & Surveyor | 5 | 1 0 | 315 | 35·1 | 32·92 | 189 | 136 |
| D | ASKHAM BRYAN | Yorkshire Inst. of Agriculture | 5 | 1 0 | 90 | ... | 20·71 | 171 | 112 |
| | Leathley (Lindley Woods) | K. L. Forster, Esq., C.E. | 8 | 0 9 | 312 | 31·6 | 28·22 | ... | ... |
| D | Ilkley (March Ghyll Reservoir) | J. A. A. Pratt, Esq., C.E. | 5 | 1 0 | 705 | 34·0 | 26·85 | 163 | 138 |
| D | York (Bishopthorpe Road) | J. Terry & Sons, Ltd. | 5 | 1 0 | 51 | ... | 20·11 | 149 | 109 |
| D | York (Acomb Landing) | York Waterworks Co. | 5 | 1 0 | 40 | 22·6 | 20·66 | 169 | 113 |
| M | Skipton (Counter Hill) | Engineer, Bradford W.W. | 5 | 1 0 | 951 | 30·2 | 31·40 | ... | ... |
| D | Skipton (Chelker Reservoir) | Engineer, Bradford W.W. | 5 | 1 0 | 730 | 32·9 | 31·68 | 195 | 154 |
| d | Beamsley (Overdale) | Mrs. A. Downs | 5 | 1 0 | 425 | ... | 32·26 | ... | ... |
| | Fewston (Timble Ings) | K. L. Forster, Esq., C.E. | 5 | 0 9 | 912 | 35·5 | 39·65 | ... | ... |
| | Fewston (Swinsty, East) | K. L. Forster, Esq., C.E. | 8 | 0 9 | 460 | 34·4 | 29·56 | ... | ... |
| | Fewston, North | K. L. Forster, Esq., C.E. | 8 | 0 9 | 525 | ... | 30·27 | ... | ... |
| | Fewston (Blubberhouses) | K. L. Forster, Esq., C.E. | 8 | 0 9 | 575 | 37·1 | 34·01 | ... | ... |
| D | Bolton Abbey (Estate Office) | E. E. Hey, Esq. | 5 | 1 2 | 368 | 36·3 | 34·09 | 185 | 142 |
| | Rocking Moor (Spittle Ings) | K. L. Forster, Esq., C.E. | 5 | ... ... | 967 | ... | 42·33 | ... | ... |
| | Burnsall (Sandbed Beck) | Engineer, Bradford W.W. | 5 | 1 0 | 676 | 41·0 | 37·84 | ... | ... |
| | Braithwaite Moor (High House) | K. L. Forster, Esq., C.E. | 5 | ... ... | 1068 | ... | 38·48 | ... | ... |
| d | Grassington (Ghaistrills) | Mrs. D. Sampson | 5 | 1 0 | 560 | ... | 46·17 | ... | ... |
| D | Grimwith Reservoir | Engineer, Bradford W.W. | 5 | 1 0 | 884 | 43·9 | 39·06 | 207 | 153 |
| M | Grimwith (Trunla Hill) | Engineer, Bradford W.W. | 5 | 1 0 | 1201 | ... | 42·05 | ... | ... |
| D | Oughtershaw | Mr. T. White | 5 | 1 0 | 1117 | ... | 57·71 | 230 | 171 |
| | **11.—OUSE. Nidd. 254 sq. mi.** | | | | | | | | |
| d | Wetherby (Stockeld Park) | C. E. Johnson, Esq. | 5 | 1 6 | 200 | 25·8 | 18·73 | ... | ... |
| D | Spofforth (Sewage Works) | Harrogate Corporation | 5 | 1 0 | 181 | 27·0 | 23·11 | 181 | 113 |
| D | Tockwith School | Yorkshire Ouse River Bd. | 5 | 1 0 | 77 | ... | 19·89 | 160 | 107 |
| M | Harrogate W.W. (Ling Cottage) | Water Engineer, Harrogate | 5 | 1 0 | 740 | 33·4 | 28·35 | ... | ... |
| M | Harrogate W.W. (Broad Dubb) | Water Engineer, Harrogate | 5 | 1 0 | 725 | 34·1 | 27·77 | ... | ... |
| M | Harrogate W.W. (Cobblers Cottage) | Water Engineer, Harrogate | 8 | 1 0 | 730 | 33·5 | 27·04 | ... | ... |
| D | Harrogate W.W. (Ten Acres Res.) | Water Engineer, Harrogate | 8 | 1 6 | 620 | 34·9 | 28·07 | 190 | 130 |
| D | Harrogate W.W. (Scargill Res.) | Water Engineer, Harrogate | 8 | 1 0 | 646 | 34·8 | 29·39 | 189 | 127 |
| D | Harrogate W.W. (Beaver Dyke Res.) | Water Engineer, Harrogate | 8 | 1 0 | 575 | 34·1 | 24·91 | 186 | 124 |
| M | Harrogate W.W. (John O'Gaunt's) | Water Engineer, Harrogate | 8 | 1 0 | 600 | 33·8 | 26·56 | ... | ... |
| M | §Harrogate W.W. (Long Stoop) | Water Engineer, Harrogate | 5 | 1 0 | 700 | 33·8 | 28·37 | ... | ... |
| M | Harrogate W.W. (Knabb's Moor) | Water Engineer, Harrogate | 5 | 1 0 | 700 | 32·5 | 29·57 | ... | ... |
| D | HARROGATE (Harlow Moor Obsy.) | Corporation | 5 | 1 0 | 478 | 30·6 | 25·18 | 169 | 120 |
| D | Harrogate (Harlow Hill Reservoir) | Water Engineer, Harrogate | 8 | 1 0 | 549 | ... | 25·92 | 160 | 124 |
| D | Harrogate (Irongatebridge Reservoir) | Water Engineer, Harrogate | 8 | 1 6 | 455 | 29·3 | 26·59 | 167 | 127 |

§ Turf wall round gauge.

## DIVISION IX—YORKSHIRE—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Height of Rim above Ground | Height of Ground above Sea Level | Average Rainfall | 1952 Rainfall | Days with ·01 in. or more | Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **WEST RIDING—(*contd.*).** | | *in.* | *ft.* | *ft.* | *in.* | *in.* | | |
| | **11.—OUSE. Nidd.—(*contd.*).** | | | | | | | | |
| d | Knaresborough (Water Tower) | Water Engineer, Harrogate | 8 | 1 0 | 240 | 27·1 | 22·95 | 152 | 117 |
| D | Harrogate (Bilton Sewage Works) | Corporation | 5 | 1 0 | 208 | 28·5 | 25·19 | 170 | 121 |
| d | Birstwith Hall | Sir Cecil W. Aykroyd, Bart. | 5 | 1 0 | 325 | 34·4 | 28·79 | 168 | 137 |
| | Ramsgill (Holme Ho., Gouthwaite) | Engineer, Bradford W.W. | 5 | 1 0 | 464 | 39·9 | 37·57 | ... | ... |
| D | Ramsgill (Raygill House) | Engineer, Bradford, W.W. | 5 | 1 0 | 925 | 46·7 | 41·96 | 175 | 152 |
| D | Ramsgill | Engineer, Bradford W.W. | 5 | 1 0 | 450 | 42·1 | 39·21 | 182 | 141 |
| M | Nidderdale (Rain Stang) | Engineer, Bradford W.W. | 5 | 1 0 | 1470 | 47·4 | 43·17 | ... | ... |
| D | Nidderdale (West Houses) | Engineer, Bradford W.W. | 5 | 1 0 | 1165 | 52·5 | 47·50 | 222 | 166 |
| D* | Scar House Reservoir | Engineer, Bradford W.W. | 5 | 1 0 | 1085 | ... | 42·72 | 218 | 150 |
| | **12.—OUSE. Ure. 110 sq. mi.** | | | | | | | | |
| D | Burton Leonard | B. Coore, Esq. | 5 | 1 0 | 290 | ... | 21·42 | 156 | 104 |
| | Pateley Bridge (Skell Beck) | Water Engineer, Harrogate | 5 | 1 0 | 900 | ... | 36·34 | ... | ... |
| D | Ripon (Wynhaven) | J. H. Abbott, Esq. | 5 | 1 0 | 164 | ... | 24·26 | 170 | 105 |
| | Dallow Moor (Harper Hill) | K. L. Forster, Esq., C.E. | 8 | 0 9 | 819 | ... | 30·02 | ... | ... |
| D | Ripon (Grammar School) | Headmaster | 5 | 1 0 | 150 | ... | 20·18 | 158 | 96 |
| | Kirkby Malzeard (Drovers' Inn) | K. L. Forster, Esq., C.E. | 5 | 0 9 | 576 | 36·0 | 29·84 | ... | ... |
| | Kirkby Malzeard (Hawsett) | K. L. Forster, Esq., C.E. | 5 | 0 9 | 820 | 37·1 | 29·86 | ... | ... |
| W | Kirkby Malzeard (Hambleton Hill) | K. L. Forster, Esq., C.E. | 8 | 0 9 | 1106 | 39·7 | 32·30 | ... | ... |
| | Kirkby Malzeard (Bagwith Brae) | K. L. Forster, Esq., C.E. | 5 | 0 9 | 703 | 32·9 | 31·11 | ... | ... |
| W | Kirkby M. (Stone & Ears Wham) | K. L. Forster, Esq., C.E. | 8 | 0 9 | 1118 | 39·7 | 32·24 | ... | ... |
| | **EAST RIDING. (Area, 1,176 sq. mi.)** | | | | | | | | |
| | **1.—OUSE. Left Bank Tributaries. 82 sq. mi.** | | | | | | | | |
| D | Riccall | Yorkshire Ouse River Bd. | 5 | 1 0 | 18 | ... | 17·63 | 144 | 96 |
| D | York (The Retreat) | Secretary | 5 | 1 0 | 60 | ... | 21·75 | 167 | 119 |
| | **2.—OUSE. Derwent. 248 sq. mi.** | | | | | | | | |
| D | Birdsall Gardens | Mr. J. Anderson | 5 | 1 2 | 308 | 29·2 | 28·72 | 192 | 143 |
| D | Rillington (Scampston Hall) | Mr. F. Ironside* | 5 | 1 6 | 102 | 27·1 | 25·58 | 179 | 130 |
| D | Ganton (Golf Club) | Secretary | 5 | 1 2 | 100 | ... | 29·21 | 194 | 140 |
| D | Ganton (Ganton Hall) | E. W. Wrigley, Esq. | 5 | 1 0 | 250 | 27·5 | 29·30 | 194 | 135 |
| | **3.—HUMBER. Left Bank Tributaries. 675 sq. mi.** | | | | | | | | |
| D | §SPURN HEAD (R.N. Signal Station) | Chief Officer, for M.O. | 5 | 1 0 | 29 | 22·7 | 22·66 | 183 | 134 |
| D | Hessle (Sandford) | Lieut. C.S. Sherwood, R.N.V.R. | 5 | 1 0 | 90 | ... | 22·69 | 192 | 124 |
| D | HULL (Pearson Park) | Gen. Superintendent | 5 | 0 10 | 8 | 25·4 | 23·84 | 182 | 122 |
| D | Hull (Springhead) | Hull Waterworks | 5 | 1 0 | 14 | 25·5 | 22·57 | 160 | 125 |
| D | Burton Pidsea (The Nurseries) | C. Bromby, Esq. | 5 | 1 0 | 8 | ... | 24·69 | 194 | 133 |
| M | Skidby (Rowley Rectory) | Rev. D. C. Urquhart | 5 | 1 0 | 344 | ... | (20·24) | ... | ... |
| D | Cottingham (Dunswell Pumping Stn.) | Hull Waterworks | 5 | 1 0 | 6 | ... | 23·23 | 187 | 121 |
| D | Holme-on-Spalding Moor (Vicarage) | Rev. W. L. Shepherd | 8 | 1 0 | 30 | 23·6 | 21·29 | 166 | 111 |
| D | Beverley (Broadgate Hospital) | Medical Superintendent | 5 | 1 0 | 175 | 26·5 | 23·84 | 158 | 128 |
| D | Beverley (Hull Bridge) | Hull & E. Yorks River Bd. | 5 | 2 6 | 11 | 24·9 | 24·88 | 174 | 143 |
| D | Market Weighton (Dalton Holme) | W. F. Cullen, Esq. | 8 | 6 6 | 120 | 27·3 | 27·18 | 173 | 139 |
| D | Brandesburton (Hempholme Lock) | Hull & E. Yorks River Bd. | 5 | 2 6 | 11 | 24·6 | 26·12 | 167 | 138 |
| D | Hutton Cranswick (The Vicarage) | Rev. G. Storer | 5 | 1 0 | 79 | ... | 23·76 | 197 | 119 |
| D | DRIFFIELD Airfield (+A) | Meteorological Office | 5 | 1 0 | 69 | ... | 27·11 | 195 | 133 |
| D | Lowthorpe (The Elms) | J. Tate, Esq. | 5 | 1 0 | 63 | 26·5 | 28·36 | 198 | 150 |
| d | Langtoft School | G. W. E. Ogden, Esq. | 5 | 1 0 | 250 | ... | 28·87 | ... | ... |

* *Per* Yorkshire Ouse River Board. § Turf wall round gauge.

## DIVISION IX—YORKSHIRE—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge: Diam. | Rain-gauge: Height of Rim above Ground | Rain-gauge: Height of Ground above Sea Level | Average Rainfall | 1952: Rainfall | 1952: Days with ·01 in. or more | 1952: Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | EAST RIDING.—(*contd.*). | | *in.* | *ft.* *in.* | *ft.* | *in.* | *in.* | | |
| | **4.—EAST COAST STREAMS. 171 sq. mi.** | | | | | | | | |
| D | Withernsea (High School) | E. Brown, Esq. | 5 | 1 0 | 28 | ... | 24·00 | 195 | 131 |
| D | Hornsea (Town Hall) | Hornsea U.D.C. | 5 | 1 0 | 12 | ... | 24·76 | 168 | 135 |
| D | Burton Agnes (Pumping Station) | H. South, Esq., C.E. | 5 | 1 0 | 52 | ... | 27·65 | 198 | 146 |
| D | Bridlington (Corpn. Nurseries) | Parks Superintendent | 8 | 1 0 | 60 | 25·6 | 29·93 | 229 | 156 |
| D | Bridlington (Mill Lane) | H. South, Esq., C.E. | 5 | 1 0 | 157 | ... | 29·06 | 183 | 143 |
| D | HIGH MOWTHORPE | Farm Director | 5 | 1 0 | 574 | ... | 28·42 | 192 | 132 |
| d | Weaverthorpe (The School House) | H. Wilkinson, Esq. | 5 | 1 0 | 270 | ... | 29·43 | ... | ... |
| M | Ganton (Willerby Wold) | Major W. F. Wormald | 5 | 1 2 | 565 | ... | 27·90 | ... | ... |
| D | Filey (Rosedale Reservoir) | Water Engineer | 5 | 1 0 | 197 | ... | 26·29 | 188 | 139 |
| D | Filey (Pumping Station) | Water Engineer | 5 | 1 0 | 123 | ... | 25·25 | 202 | 136 |
| | NORTH RIDING. (Area, 2,155 sq. mi.) | | | | | | | | |
| | **1.—OUSE. Ure. 273 sq. mi.** | | | | | | | | |
| M | Masham Moor (Arnagill Beck W.) | Water Engineer, Harrogate | 5 | 1 0 | 1210 | 41·6 | 37·91 | ... | ... |
| M | Masham Moor (Arnagill Beck E.) | Water Engineer, Harrogate | 5 | 1 0 | 1150 | 39·5 | 35·21 | ... | ... |
| M | Masham Moor (Grey Ridge) | Water Engineer, Harrogate | 5 | 1 0 | 1330 | 44·3 | 37·38 | ... | ... |
| M | Masham Moor (Low Ash Head) | Water Engineer, Harrogate | 5 | 1 0 | 845 | 40·7 | 34·37 | ... | ... |
| M | Masham Moor (Agill Head) | Water Engineer, Harrogate | 5 | 1 0 | 1380 | 43·4 | 40·76 | ... | ... |
| D | Masham Moor (Roundhill Reservoir) | Water Engineer, Harrogate | 8 | 1 0 | 743 | 37·6 | 30·96 | 206 | 140 |
| D | Roundhill Reservoir No. 2 | Water Engineer, Harrogate | 8 | 1 0 | 925 | 38·8 | 31·70 | 198 | 137 |
| W | Masham Moor (High Sour Mire) | K. L. Forster, Esq., C.E. | 5 | 0 9 | 884 | ... | 29·99 | ... | ... |
| | Masham Moor (Leighton Res.) | K. L. Forster, Esq., C.E. | 5 | 0 9 | 634 | 35·9 | 28·64 | ... | ... |
| | Masham Moor (Towler Hill) | K. L. Forster, Esq., C.E. | 8 | 0 9 | 820 | 36·7 | 29·98 | ... | ... |
| | Masham Moor (Breary Bank) | K. L. Forster, Esq., C.E. | 5 | 0 9 | 600 | 36·8 | 29·37 | ... | ... |
| | Masham Moor (Healey Pasture) | K. L. Forster, Esq., C.E. | 5 | 0 9 | 620 | 36·1 | 28·97 | ... | ... |
| | Masham Moor (Low Houses) | K. L. Forster, Esq., C.E. | 5 | 0 9 | 693 | 37·9 | 30·06 | ... | ... |
| D | Bishopdale (Longridge) | Yorkshire Ouse River Bd. | 5 | 1 0 | 810 | ... | 41·13 | 210 | 156 |
| D | West Burton (Flanders Hall) | Mrs. Johnson* | 5 | 1 0 | 503 | 36·3 | 29·26 | 190 | 143 |
| D | Leyburn (Spennithorne) | F. M. Curtis, Esq., F.R.Met.S. | 5 | 1 0 | 358 | 29·9 | 23·18 | 199 | 109 |
| D | Leyburn (Bolton Hall) | Head Gardener | 5 | 1 0 | 420 | 32·6 | 25·99 | 181 | 137 |
| | Leyburn (Overdale) | A. Rowntree, Esq. | 5 | 1 0 | 550 | ... | 22·27 | ... | ... |
| D | Askrigg (Yorebridge Gram. School) | F. E. Chevins, Esq. | 5 | 1 0 | 670 | ... | 33·86 | 182 | 150 |
| d | Hawes Junction (Moorland Cottage) | Mr. W. Ireland | 5 | 1 6 | 1125 | ... | 52·82 | 205 | 174 |
| | **2.—OUSE. Swale. 569 sq. mi.** | | | | | | | | |
| D | DISHFORTH | Meteorological Office | 5 | 1 0 | 106 | ... | 19·86 | 159 | 96 |
| d | Coxwold (The Old Hall) | L. Geipel, Esq. | 5 | 1 6 | 260 | 26·1 | 24·19 | ... | 109 |
| D | Thirsk (Topcliffe Airfield) (+A) | Meteorological Office | 5 | 1 0 | 81 | ... | 20·81 | 162 | 96 |
| D | Thirsk (Ashton House) | Mrs. F. E. Walker | 5 | 1 6 | 112 | ... | 22·07 | 166 | 106 |
| D | Thirsk (Sowerby) | Mrs. M. Brown | 5 | 1 0 | 110 | 24·7 | 22·17 | 170 | 109 |
| D | Thirsk (South Villa) | B. Foggitt, Esq. | 5 | 1 0 | 115 | 24·7 | 22·74 | 172 | 102 |
| M | Felixkirk (Thirlby) | A. J. Walker, Esq. | 5 | 1 0 | 315 | 27·1 | 24·66 | ... | ... |
| D | Felixkirk (Mount St. John) | A. J. Walker, Esq. | 5 | 1 0 | 540 | ... | 25·12 | 191 | 119 |
| D | Felixkirk (Mount St. John) (+A) | A. J. Walker, Esq. | 5 | 1 0 | 540 | 26·5 | 25·08 | 190 | 117 |
| | Boltby, East | A. J. Walker, Esq. | 5 | 1 0 | 459 | 26·2 | 28·87 | ... | ... |
| d | Maunby Hall | Col. A. Hill-Walker, V.C. | 5 | 1 0 | 90 | 23·9 | 23·20 | ... | 109 |
| D | Scruton Hall | C. Wainscoat, Esq. | 5 | 1 0 | 100 | 23·8 | 21·61 | 180 | 113 |
| d | Tunstall (Craggs Lane Farm) | E. B. Potts, Esq. | 5 | 1 0 | 550 | ... | 20·04 | ... | 120 |
| D | Swaledale (Gunnerside Lodge) | The Rt. Hon. Lord Peel | 5 | 1 0 | 900 | 47·8 | 35·25 | 209 | 150 |
| | Osmotherly (Oakdale W.W.) | Northallerton U.D.C. | 5 | 1 0 | 600 | 28·3 | 28·19 | ... | ... |
| D | East Harlsey (Harlsey Hall) | Mrs. Constantine | 5 | 1 0 | 370 | ... | 24·88 | 185 | 125 |
| d | Richmond (C.E. School) | R. Hornby, Esq. | 5 | 1 0 | 420 | ... | 20·66 | ... | ... |
| | **3.—OUSE. Left Bank Tributaries. 153 sq. mi.** | | | | | | | | |
| D | Great Smeaton (Home Farm) | G. Currie, Esq. | 5 | 0 6 | 200 | ... | 21·17 | 168 | 106 |
| D | YORK (Museum) | Yorks. Phil. Soc. (Dr. W. L. Collinge) | 5 | 1 0 | 57 | 24·3 | 21·20 | 178 | 117 |

* *Per* Yorkshire Ouse River Board.

## DIVISION IX—YORKSHIRE—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1952 Rainfall | 1952 Days with ·01 in. or more | 1952 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **NORTH RIDING—(*contd.*).** | | *in.* | *ft.* *in.* | *ft.* | *in.* | *in.* | | |
| | **4.—OUSE. Derwent. 509 sq. mi.** | | | | | | | | |
| D | Welburn | R. Child, Esq. | 5 | 1 0 | 200 | 26·1 | 23·07 | 206 | 126 |
| d | Malton (Broughton Road) | C. C. Laverack, Esq. | 5 | 1 0 | 152 | 25·5 | 22·12 | 155 | 115 |
| D | Hovingham Hall | Col. Sir W. A. Worsley, Bart. | 5 | 0 9 | 119 | 29·0 | 21·96 | 164 | 119 |
| D | AMPLEFORTH | Rev. T. L. Jackson, O.S.B. | 5 | 1 0 | 313 | ... | 25·06 | 167 | 123 |
| D | Oswaldkirk (Leysthorpe Hall) | Major G. B. Foster | 5 | 1 0 | 231 | ... | 25·30 | 178 | 126 |
| d | Nunnington Hall Gardens | Head Gardener | 5 | 1 0 | 110 | ... | 22·70 | ... | ... |
| D | Wykeham (Low Moor) | P. J. Rennie, Esq. | 5 | 1 0 | 692 | ... | 36·72 | 186 | 148 |
| D | Helmsley (Boys' School) | C. W. Atkinson, Esq. | 5 | 1 0 | 225 | ... | 27·82 | 180 | 119 |
| D | Seamer (Irton Pumping Station) | H. V. Overfield, Esq., C.E. | 5 | 1 0 | 94 | 28·7 | 29·47 | 194 | 139 |
| D | Scarborough (Osgodby) | H. V. Overfield, Esq., C.E. | 5 | 1 0 | 166 | 26·1 | 27·03 | 201 | 137 |
| D | Kirkby Moorside (Ravenswyke) | Lt.-Col. V. H. Holt, M.C., J.P. | 5 | 1 0 | 270 | 27·2 | 27·44 | 184 | 132 |
| D | Hutton-le-Hole (Elphield) | R. W. Crosland, Esq. | 5 | 1 0 | 340 | ... | 32·36 | 212 | 148 |
| D | SILPHO MOOR | Forestry Commission | 5 | 1 0 | 662 | ... | 35·74 | 214 | 160 |
| M | Bransdale 7 | Hull Waterworks | 5 | 1 0 | 1021 | ... | 40·35 | ... | ... |
| D | Farndale (Rudland Slack) | (+A) Hull Waterworks | 8 | 1 0 | 877 | ... | 32·80 | 199 | 140 |
| D | Farndale (The Vicarage) | (+A) Hull Waterworks | 8 | 1 0 | 495 | ... | 37·96 | 203 | 159 |
| M | Rosedale 16 | Hull Waterworks | 5 | 1 0 | 587 | ... | 39·01 | ... | ... |
| M | Rosedale 19 | Hull Waterworks | 5 | 1 0 | 599 | ... | 40·95 | ... | ... |
| M | Rosedale 17A | Hull Waterworks | 5 | 1 0 | 986 | ... | 42·08 | ... | ... |
| M | Bransdale 3 | Hull Waterworks | 5 | 1 0 | 739 | ... | 41·70 | ... | ... |
| M | Bransdale 4B | Hull Waterworks | 5 | 1 0 | 1184 | ... | 41·27 | ... | ... |
| M | Farndale 9 | Hull Waterworks | 5 | 1 0 | 1015 | ... | 43·04 | ... | ... |
| M | Farndale 10 | Hull Waterworks | 5 | 1 0 | 574 | ... | 44·46 | ... | ... |
| M | Farndale 13 | Hull Waterworks | 5 | 1 0 | 1055 | ... | (43·42) | ... | ... |
| M | Farndale 14 | Hull Waterworks | 8 | 1 0 | 1286 | ... | 43·16 | ... | ... |
| M | §Rosedale 18 | Hull Waterworks | 5 | 1 0 | 1337 | ... | 42·76 | ... | ... |
| M | Rosedale 14A | Hull Waterworks | 5 | 1 0 | 1329 | ... | 42·37 | ... | ... |
| | **5.—ESK & C. 278 sq. mi.** | | | | | | | | |
| D | SCARBOROUGH | (+A) Medical Officer of Health | 5 | 1 0 | 118 | 25·8 | 27·18 | 204 | 140 |
| D | Scarborough (Scalby) | Capt. Sir William Wordsworth | 5 | 1 0 | 210 | ... | 30·39 | 201 | 146 |
| W | Goathland (Hydro) | E. N. Burn, Esq. | 5 | 1 0 | 450 | ... | 31·81 | ... | ... |
| D | Danby (Botton Hall) | W. E. F. Macmillan, Esq. | 5 | 1 0 | 720 | ... | 39·74 | 207 | 172 |
| D | Egton Bridge (Bridgeholme) | Mrs. Astley Smith | 5 | 1 0 | 130 | 33·3 | 35·39 | 179 | 153 |
| d | Sleights (Hall Cottage) | George Gibson, Esq. | 5 | 1 0 | 220 | 30·7 | 29·06 | ... | ... |
| D | Whitby (Park Hall, Aislaby) | Miss M. A. N. Richardson | 5 | 1 0 | 500 | 30·7 | 30·47 | 175 | 147 |
| D | WHITBY (Pannett Park) | Park Superintendent | 8 | 1 0 | 135 | ... | 27·13 | 178 | 137 |
| D | Guisborough (Lockwood Reservoir) | Cleveland Water Co. | 8 | 1 0 | 632 | 33·0 | 34·49 | 216 | 165 |
| D | Guisborough (Waterworks) | Guisborough U.D.C. | 5 | 1 2 | 600 | ... | 29·90 | 155 | 137 |
| D | Saltburn (North Skelton Mine) | Dorman, Long & Co., Ltd. | 5 | 1 0 | 304 | ... | 28·95 | 188 | 125 |
| D | REDCAR | Town Clerk | 5 | 1 0 | 25 | 24·2 | 22·75 | 200 | 129 |
| D | Redcar (Nelson Terrace) | T. K. G. Ridley, Esq. | 5 | 1 6 | 10 | ... | 23·18 | 181 | 125 |
| | **6.—TEES. 373 sq. mi.** | | | | | | | | |
| D | Kildale Hall | Mrs. R. B. Turton | 5 | 1 2 | 600 | 35·5 | 36·58 | 181 | 145 |
| D | Crathorne Hall Gardens | Maj. Sir Thomas Dugdale | 5 | 1 3 | 185 | 25·0 | 24·34 | 163 | 122 |
| D | Barningham Park | Sir Frederick Milbank, Bart. | 8 | 1 0 | 750 | 32·6 | 29·00 | 178 | 129 |
| d | Yarm (Worsall Hall) | Major H. K. D. Evans | 5 | 1 0 | 60 | ... | 22·62 | ... | 113 |
| D | Nunthorpe (The Box) | G. D. Cochrane, Esq. | 5 | 1 3 | 287 | 25·2 | 26·80 | 159 | 129 |
| D | Middlesbrough (West Acklam) | H. C. White, Esq. | 5 | 1 0 | 71 | ... | 22·49 | 189 | 127 |
| D | Middlesbrough (Albert Park) | H. C. Hildyard, Esq. | 5 | 1 0 | 30 | 23·7 | 22·14 | 179 | 126 |
| D | Middlesbrough (South Bank) | (+A) N. C. Harrison, Esq., C.E. | 5 | 1 0 | 41 | ... | 22·59 | 179 | 116 |
| M | Baldersdale (Aygill) | T. S. R. Winter, Esq., C.E. | 5 | 1 6 | 1250 | 49·5 | 44·60 | ... | ... |
| D | Lartington Filters | T. S. R. Winter, Esq., C.E. | 5 | 1 0 | 735 | 32·1 | 24·14 | 208 | 129 |
| M | Baldersdale (Blackton Reservoir) | T. S. R. Winter, Esq., C.E. | 5 | 1 0 | 937 | 40·9 | 32·90 | ... | ... |

§ Turf wall round gauge.

## DIVISION X—NORTHERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge: Diam. | Rain-gauge: Height of Rim above Ground | Rain-gauge: Height of Ground above Sea Level | Average Rainfall | 1952: Rainfall | 1952: Days with ·01 in. or more | 1952: Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | NORTH RIDING—(*contd.*). | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | 6.—TEES.—(*contd.*). | | | | | | | | |
| D | Baldersdale (Hury Res.) *old g. site* | T. S. R. Winter, Esq., C.E. | 5 | 1 0 | 856 | 36·0 | 28·50 | 199 | 137 |
| D | Baldersdale (Hury Res.) *new g. site* | T. S. R. Winter, Esq., C.E. | 5 | 1 0 | 862 | 37·3 | 27·73 | 199 | 137 |
| M | Lunedale (Dow Crag) | T. S. R. Winter, Esq., C.E. | 5 | 1 0 | 1720 | 57·6 | (57·32) | ... | ... |
| M | Lunedale (Lunehead) | T. S. R. Winter, Esq., C.E. | 5 | 1 0 | 1450 | 55·0 | 52·80 | ... | ... |
| M | Lunedale (Selset) | T. S. R. Winter, Esq., C.E. | 5 | 1 0 | 924 | 40·3 | 32·80 | ... | ... |
| D | Lunedale (Grassholme Reservoir) | T. S. R. Winter, Esq., C.E. | 5 | 1 0 | 936 | 38·6 | 31·73 | 201 | 150 |
| M | Lunedale (Keekham) | T. S. R. Winter, Esq., C.E. | 5 | 1 0 | 1660 | 62·1 | 63·98 | ... | ... |
| M | Lunedale (Hargill) | T. S. R. Winter, Esq., C.E. | 5 | 1 5 | 1320 | 52·6 | 52·60 | ... | ... |

## DIVISION X—NORTHERN COUNTIES

**DURHAM. (Area, 1,011 sq. mi.)**

**1.—TEES & C. 396 sq. mi.**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| D | Darlington (South Park) | A. Peak, Esq. | 5 | 1 0 | 150 | 27·1 | 19·91 | 151 | 100 |
| D | Darlington (Waterworks) (+A) | Borough Surveyor | 5 | 1 0 | 161 | ... | 20·06 | 157 | 106 |
| D | Darlington (Broken Scar) | T. S. R. Winter, Esq., C.E. | 5 | 1 0 | 158 | 26·2 | 19·79 | 151 | 99 |
| D | Darlington (Fighting Cocks Res.) | T. S. R. Winter, Esq., C.E. | 5 | 1 0 | 171 | 25·2 | 20·83 | 178 | 112 |
| D | MIDDLETON-ST. GEORGE (+A) | Meteorological Office | 5 | 1 0 | 114 | ... | 22·15 | 171 | 113 |
| D | Barnard Castle (Bowes Museum) | T. Wake, Esq. | 5 | 1 0 | 500 | 30·4 | 23·09 | 167 | 126 |
| D | Long Newton Reservoir | T. S. R. Winter, Esq., C.E. | 5 | 0 9 | 184 | 25·5 | 22·48 | 184 | 120 |
| D | Stockton-on-Tees (Ropner Park) | Park Curator | 5 | 0 10 | 61 | 22·9 | 24·23 | 159 | 118 |
| D | Stockton-on-Tees (Billingham) (+A) | Imperial Chem. Indust., Ltd. | 5 | 1 6 | 35 | 23·3 | 23·35 | 202 | 117 |
| D | Staindrop (Raby Castle) | Lord Barnard, C.M.G., M.C. | 5 | 1 0 | 450 | 27·6 | 23·54 | 172 | 137 |
| d | Stillington Park | A. Kendall, Esq. | 5 | 1 0 | 140 | 27·1 | 22·03 | ... | 117 |
| d | Eggleston (Wood Hill) | E. A. Smith, Esq. | 5 | 1 0 | 1000 | 34·2 | 26·33 | 215 | 145 |
| D | Shildon (Eden Grange) | J. T. Petty, Esq. | 5 | 1 0 | 384 | ... | 21·62 | 148 | 109 |
| D | Middleton-in-Teesdale (Newbiggin) | Mrs. Coggins | 5 | 1 0 | 1000 | 44·2 | 36·20 | 207 | 155 |
| D | Forest-in-Teesdale (+A) | Postmistress, for M.O. | 5 | 1 0 | 1250 | ... | 47·17 | 244 | 184 |
| D | Embleton (Crookfoot Reservoir) | J. Clough, Esq. | 8 | 1 0 | 293 | 25·4 | 23·64 | 189 | 122 |
| D | WEST HARTLEPOOL (The Clock) | H. Lamb, Esq. | 5 | 1 0 | 30 | ... | 22·14 | 189 | 118 |
| D | West Hartlepool (Waterworks) | J. Clough, Esq. | 5 | 1 0 | 35 | 24·7 | 22·91 | 191 | 121 |
| D | Hurworth Burn Reservoir | J. Clough, Esq. | 8 | 1 0 | 357 | 26·5 | 25·33 | 197 | 136 |
| D | Hartlepool (Hart Reservoir) | J. Clough, Esq. | 8 | 1 0 | 172 | ... | 21·21 | 190 | 120 |
| D | Shotton (New Winning Pumping Stn.) | A. G. McLellan, Esq. C.E. | 8 | 1 0 | 402 | 29·4 | 26·32 | 193 | 135 |
| D | Easington (Mill Hill Reservoir) | A. G. Mc.Lellan, Esq. C.E. | 8 | 1 0 | 521 | ... | 26·71 | 205 | 135 |
| D | Seaham (Dalton Pumping Station) | A. G. Mc.Lellan, Esq., C.E. | 8 | 1 0 | 345 | 27·0 | 24·37 | 206 | 134 |
| | **2.—WEAR. 464 sq. mi.** | | | | | | | | |
| D | Wolsingham (Shull) | Mrs. W. A. Mounsey | 5 | 1 0 | 600 | ... | 26·87 | 195 | 138 |
| D | Stanhope (Parson Byers Quarry) | Dorman, Long & Co., Ltd. | 5 | 1 3 | 860 | 31·7 | 28·98 | 150 | 125 |
| M | Burnhope (Grass Meres) | J. A. Rodwell, Esq., C.E. | 5 | 1 3 | 1850 | 59·1 | (54·75) | ... | ... |
| M | Burnhope (Lodgegill Mine) | J. A. Rodwell, Esq., C.E. | 5 | 1 3 | 1950 | 61·4 | (58·90) | ... | ... |
| D | Burnhope Reservoir | J. A. Rodwell, Esq., C.E. | 8 | 1 0 | 1160 | ... | 51·32 | 235 | 179 |
| M | Cowshill (Wellheads Hush) | J. A. Rodwell, Esq., C.E. | 5 | 1 6 | 1690 | 52·7 | 53·30 | ... | ... |
| D | Durham (HOUGHALL Hort. Station) | Director of Agriculture | 5 | 1 0 | 160 | 26·4 | 24·37 | 180 | 119 |
| D | DURHAM (University Obsy.) (+A) | Director | 5 | 1 0 | 336 | 24·6 | 22·48 | 180 | 110 |
| d | Durham (Neville Court) | J. A. Rodwell, Esq., C.E. | 5 | 1 1 | 342 | ... | 22·57 | ... | ... |
| D | Weardale W.W. (Tunstall Reservoir) | J. A. Rodwell, Esq., C.E. | 8 | 1 2 | 724 | 32·4 | 33·68 | 174 | 150 |
| D | USHAW COLLEGE | President | 5 | 1 0 | 594 | 28·2 | 25·85 | 187 | 120 |
| M | Weardale W.W. (Waskerley 6) | J. A. Rodwell, Esq., C.E. | 8 | 1 0 | 1229 | ... | 34·59 | ... | ... |
| M | Weardale W.W. (Waskerley 3) | J. A. Rodwell, Esq., C.E. | 8 | 1 0 | 1433 | ... | 37·22 | ... | ... |
| D | Weardale W.W. (Waskerley) | J. A. Rodwell, Esq., C.E. | 8 | 1 0 | 1179 | 33·1 | 37·67 | 241 | 169 |
| M | Weardale W.W. (Waskerley 1) | J. A. Rodwell, Esq., C.E. | 8 | 1 0 | 1317 | ... | 33·43 | ... | ... |
| D | Lanchester (Craigmore) | Basil Sadler, Esq. | 5 | 1 0 | 400 | ... | 25·82 | 181 | 121 |
| D | Consett (Stockley House) | Mrs. J. Shackleton | 5 | 1 6 | 642 | ... | 26·79 | 174 | 130 |

## DIVISION X—NORTHERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1952 Rainfall | 1952 Days with ·01 in. or more | 1952 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | DURHAM—(*contd.*). | | *in.* | *ft.* *in.* | *ft.* | *in.* | *in.* | | |
| | 2.—WEAR.—(*contd.*). | | | | | | | | |
| D | Lanchester (Langley Close) ... | ... Basil Sadler, Esq. ... ... | 5 | 1 0 | 756 | ... | 25·88 | 150 | 126 |
| D | South Moor (Colliery Office) ... | ... Basil Sadler, Esq. ... ... | 5 | 1 0 | 616 | ... | 25·76 | 150 | 114 |
| D | Ryhope (Pumping Station) ... | ... A. G. McLellan, Esq., C.E. | 8 | 1 1 | 228 | 25·4 | 23·15 | 196 | 126 |
| M | Washington (Glebe Mod. School) | ... A. Robson, Esq. ... ... | 5 | 1 2 | 160 | ... | 22·43 | ... | ... |
| D | Sunderland (Thorneholme) ... | ... Medical Officer of Health ... | 5 | 1 0 | 130 | 25·6 | 22·76 | 195 | 135 |
| | 3.—TYNE. LOWER. 151 sq. mi. | | | | | | | | |
| D | Hunstanworth (Presser Villa) ... | ... J. A. Rodwell, Esq., C.E. ... | 5 | 1 0 | 1301 | ... | 30·09 | 212 | 154 |
| D | Weardale W.W. (Hisehope Reservoir) | J. A. Rodwell, Esq., C.E. ... | 5 | 1 0 | 1450 | ... | 32·18 | 214 | 146 |
| D | Weardale W.W. (Smiddy Shaw) | ... J. A. Rodwell, Esq., C.E. ... | 8 | 1 3 | 1128 | 34·1 | 31·08 | 197 | 148 |
| D | Westwood (Sewage Works) ... | ... E. Simpkin, Esq., C.E. ... | 5 | 0 8 | 255 | ... | 26·68 | 184 | 129 |
| D | BIRTLEY ... ... ... ... | ... Durham Chemicals, Ltd. ... | 5 | 1 0 | 87 | ... | 24·93 | 187 | 127 |
| D | Ebchester (Blackhall Mill School) | ... Headmaster ... ... ... | 5 | 0 6 | 150 | ... | 26·74 | 171 | 128 |
| d | Rowlands Gill (CHOPWELLWOOD) | ... Forestry Commission ... | 8 | 1 0 | 446 | 28·7 | 24·06 | 190 | 133 |
| D | GATESHEAD ... ... ... | ... Medical Officer of Health... | 5 | 1 0 | 509 | ... | 26·62 | 184 | 137 |
| D | Sunderland (Cleadon Pumping Stn.) | ... A. G. McLellan, Esq., C.E. | 8 | 1 0 | 216 | 24·4 | 21·85 | 203 | 119 |
| D | South Shields (Bents Park) ... | ... Medical Officer of Health... | 5 | 1 0 | 36 | 24·2 | 24·49 | 193 | 129 |
| D | South Shields (South Pier Works) | ... Tyne Improvement Commis. | 5 | 1 0 | 17 | ... | 24·21 | 204 | 126 |
| | NORTHUMBERLAND. (Area, 2,015 sq. mi.) | | | | | | | | |
| | 1.—EDEN. 20 sq. mi. | | | | | | | | |
| | 2.—SOUTH TYNE. 232 sq. mi. | | | | | | | | |
| D | Allenheads ... ... ... | ... T. S. Foggitt, Esq. ... ... | 5 | 1 5 | 1350 | ... | 44·68 | 219 | 166 |
| D | Haydon Bridge (Shaftoe Trust Sch.) | Headmaster ... ... ... | 5 | 1 0 | 240 | ... | 24·85 | 197 | 136 |
| | 3.—TYNE. Lower. 227 sq. mi. | | | | | | | | |
| D | Newcastle (Leazes Park) ... | ... City Engineer ... ... | 5 | 1 0 | 255 | 26·4 | 24·07 | 172 | 128 |
| d | Newcastle (Gosforth) ... ... | ... T. R. Dowdeswell, Esq. ... | 5 | 1 0 | 246 | ... | 24·08 | 192 | 132 |
| D | Throckley Filters ... ... | ... Newcastle & Gatesh'd W. Co. | 5 | 1 1 | 300 | ... | 24·72 | 205 | 126 |
| D | Hexham (Ridgway-on-Yarridge) | ... R. W. Gregory, Esq. ... | 5 | 1 1 | 650 | ... | 20·34 | 190 | 118 |
| D | Hexham Reservoir ... ... | ... Hexham U.D.C. ... ... | 5 | 1 0 | 325 | ... | 19·73 | 185 | 116 |
| D | N. Shields (Billy Mill Reservoir) | ... C. F. J. Lisle, Esq., C.E. ... | 5 | 1 0 | 195 | ... | 24·86 | 197 | 129 |
| D | Tynemouth (Tyne Pier Works) | ... Tyne Improvement Commis. | 5 | 1 0 | 54 | 25·1 | 24·84 | 195 | 135 |
| D | TYNEMOUTH (Coastguard Station) | ... Station Officer, for M.O. ... | 5 | 1 0 | 108 | 24·5 | 25·06 | 183 | 123 |
| D | Whittle Dene Filters ... ... | ... Newcastle & Gatesh'd W. Co. | 5 | 1 1 | 353 | 26·6 | 25·23 | 162 | 129 |
| D | Whittle Dene Reservoir ... | ... Newcastle & Gatesh'd W. Co. | 5 | 1 0 | 380 | 25·3 | 24·90? | 184 | 126 |
| | 4.—NORTH TYNE. 433 sq. mi. | | | | | | | | |
| d | Barrasford ... ... ... | ... Newcastle & Gatesh'd W. Co. | 8 | 1 0 | 207 | ... | 23·31 | 195 | 118 |
| D | Simonburn (Park End)... ... | ... A. H. Ridley, Esq. ... ... | 5 | 1 0 | 300 | ... | 30·25 | 166 | 148 |
| M | Ryal Cottage ... ... ... | ... Newcastle & Gatesh'd W. Co. | 5 | 0 9 | 463 | 29·1 | 23·48 | ... | ... |
| M | Hallington Village ... ... | ... Newcastle & Gatesh'd W. Co. | 5 | 1 0 | 467 | 29·9 | 24·30 | ... | ... |
| D | Hallington Reservoir ... ... | ... Newcastle & Gatesh'd W. Co. | 5 | 1 0 | 470 | 29·3 | 24·01 | 196 | 130 |
| M | Hallington (Fawcett) ... ... | ... Newcastle & Gatesh'd W. Co. | 5 | 1 2 | 537 | 28·2 | 25·71 | ... | ... |
| M | Hallington (Cheviott) ... ... | ... Newcastle & Gatesh'd W. Co. | 5 | 1 0 | 576 | 27·8 | 25·17 | ... | ... |
| M | Camphill... ... ... ... | ... Newcastle & Gatesh'd W. Co. | 5 | 1 0 | 650 | 29·4 | 28·02 | ... | ... |
| D | Colt Crag Reservoir ... ... | ... Newcastle & Gatesh'd W. Co. | 5 | 1 0 | 654 | *29·3* | 28·84 | 222 | 158 |
| D | Bower Moor (Bower) ... ... | ... Forestry Commission ... | 5 | 1 0 | 500 | ... | 32·28 | 162 | 134 |
| D | Falstone (Wickhope) ... ... | ... Forestry Commission ... | 5 | 1 0 | 550 | ... | 39·80 | 190 | 152 |
| D | Wark (Ladyhill) ... ... | ... Forestry Commission ... | 5 | 1 0 | 820 | ... | 35·07 | 223 | 156 |
| M | Green Crag ... ... ... | ... Newcastle & Gatesh'd W. Co. | 5 | 1 0 | 900 | 30·4 | 30·82 | ... | ... |
| D | BELLINGHAM (Highgreen) ... | ... Sir Charles Morrison-Bell, Bt. | 5 | 1 0 | 849 | 35·4 | 32·45 | 203 | 153 |
| D | KIELDER CASTLE ... ... | ... Forestry Commission ... | 5 | 1 0 | 660 | ... | 42·90 | 218 | 159 |

## DIVISION X—NORTHERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Height of Rim above Ground | Height of Ground above Sea Level | Average Rainfall | 1952 Rainfall | Days with ·01 in. or more | Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | NORTHUMBERLAND—(*contd.*). | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | 4.—NORTH TYNE—(*contd.*). | | | | | | | | |
| D | §Kielder (Ridge End) | Newcastle & Gatesh'd W. Co. | 5 | 1 0 | 851 | ... | 40·30 | 199 | 152 |
| D | §Kielder (Kielder Head) | Newcastle & Gatesh'd W. Co. | 5 | 1 0 | 807 | ... | 41·14 | 199 | 156 |
| M | §Kielder (Carry Burn) | Newcastle & Gatesh'd W. Co. | 5 | 1 0 | 1043 | ... | 43·52 | ... | ... |
| M | §Kielder (Little Gunn's Cleugh) | Newcastle & Gatesh'd W. Co. | 8 | 1 0 | 1110 | ... | 42·14 | ... | ... |
| M | §Redewater (Countess Crag) | Newcastle & Gatesh'd W. Co. | 5 | 1 0 | 1600 | ... | 47·65 | ... | ... |
| M | Redewater (Chattlehope) | Newcastle & Gatesh'd W. Co. | 5 | 1 0 | 1100 | ... | 45·08 | ... | ... |
| D | Redewater (Catcleugh) | Newcastle & Gatesh'd W. Co. | 5 | 1 0 | 819 | ... | 45·76 | 241 | 187 |
| W | §Redewater (Game Park) | Newcastle & Gatesh'd W. Co. | 5 | 1 0 | 900 | ... | 47·38 | ... | ... |
| M | §Redewater (Black Cleugh) | Newcastle & Gatesh'd W. Co. | 5* | 1 0 | 950 | ... | 46·34 | ... | ... |
| | 5.—COQUET & C. 840 sq. mi. | | | | | | | | |
| M | Whittington | Newcastle & Gatesh'd W. Co. | 8 | 1 0 | 528 | 28·1 | 23·66 | ... | ... |
| M | Burnside | Newcastle & Gatesh'd W. Co. | 5 | 1 0 | 419 | 27·2 | 24·77 | ... | ... |
| D | Whitley Bay (Marden House) | R. J. Oliver, Esq. | 5 | 1 0 | 100 | ... | 25·94 | 213 | 132 |
| d | Kirkwhelpington | J. Wardle, Esq. | 5 | 1 3 | 581 | ... | 32·61 | ... | ... |
| D | Maiden Hall (Stanton Nook) | C. F. J. Lisle, Esq., C.E. | 5 | 1 0 | 277 | ... | 30·60 | 178 | 141 |
| D | Morpeth (COCKLE PARK) | King's College, Newcastle, Department of Agriculture | 5 | 1 0 | 325 | 28·7 | 29·31 | 185 | 136 |
| d | Rothley (Harwood) | Forestry Commission | 5 | 1 0 | 770 | ... | 33·35 | ... | ... |
| D | Morpeth (Tritlington School) | J. E. Archbold, Esq. | 5 | 1 0 | 250 | ... | 30·17 | 189 | 129 |
| D | Font Reservoir (Tynemouth W.W.) | C. F. J. Lisle, Esq., C.E. | 10 | 1 2 | 620 | 31·1 | 32·07 | 189 | 156 |
| D | ACKLINGTON Airfield (+A) | Meteorological Office | 5 | 1 0 | 138 | ... | 25·41 | 191 | 130 |
| D | Howick Hall Gardens | The Rt. Hon. Earl Grey | 8 | 1 0 | 110 | 28·2 | 29·64 | 216 | 138 |
| D | Stamford | W. Robertson, Esq. | 5 | 1 0 | 175 | ... | 29·56 | 199 | 136 |
| D | Doxford Hall | Rt. Hon. Viscount Runciman | 5 | 1 0 | 175 | ... | 31·13 | 190 | 141 |
| D | Chathill (Preston Tower) | H. Baker Cresswell, Esq. | 8 | 1 0 | 140 | 28·3 | 31·25 | 193 | 145 |
| D | Embleton (Newton House) | Capt. A. J. Baker-Cresswell, R.N. | 5 | 1 0 | 75 | ... | 29·30 | 193 | 138 |
| D | Belford (Newlands) | Miss C. J. H. Sanderson | 5 | 4 8 | 160 | ... | 22·95 | 198 | 129 |
| | 6.—TWEED. 262 sq. mi. | | | | | | | | |
| d | Cheviot Hills (Linhope) | Northum. & Tyneside R. Bd. | 5 | 1 0 | 900 | 39·9 | 36·16 | ... | ... |
| D | Ilderton (Lilburn Tower Gardens) | Mr. C. Lovett | 5 | 1 0 | 250 | 30·4 | 32·20 | 207 | 150 |
| D | Mindrum | Northum. & Tyneside R. Bd. | 5 | 1 0 | 300 | ... | 28·98 | 174 | 131 |
| d | Cornhill (Pallinsburn) | Mrs. A. Turnbull | 5 | 1 0 | 135 | ... | 24·04 | 155 | 110 |
| d | BERWICK-ON-TWEED (Ramparts) | Borough Surveyor | 5 | 1 0 | 76 | 23·4 | 24·97 | ... | ... |
| | 7.—INSULAR. 1 sq. mi. | | | | | | | | |
| | CUMBERLAND. (Area, 1,516 sq. mi.) | | | | | | | | |
| | 1.—EDEN & SOLWAY. 887 sq. mi. | | | | | | | | |
| D | Watermillock (Lake View) | T. Slee, Esq. | 5 | 0 8 | 560 | ... | 51·69 | 209 | 164 |
| D | Penruddock School | Headmaster | 5 | 1 6 | 850 | ... | 42·05 | 191 | 161 |
| D | Penrith (Arthur Street) | Mrs. E. Sinclair | 5 | 1 0 | 500 | 36·4 | 27·74 | 196 | 145 |
| D | Penrith (NEWTON RIGG) | Cumberland County Council | 5 | 1 0 | 560 | 36·4 | 30·04 | 190 | 153 |
| D | Uldale (Chapel House Reservoir) | J. R. Watters, Esq. | 8 | 1 0 | 620 | 46·2 | 47·02 | 220 | 214 |
| D | Penrith (Nunwick Hall) | Lt.-Col. C. H. F. Thompson | 5 | 2 0 | 258 | 31·8 | 29·37 | 182 | 143 |
| D | Penrith (Great Salkeld) | Rev. G. A. K. Hervey | 5 | 1 0 | 350 | ... | 29·07 | 204 | 138 |
| D | Troutbeck (Wellbank) | Miss R. A. S. Streatfield | 5 | 1 0 | 800 | ... | 58·71 | 212 | 183 |
| d | Renwick | Cumberland River Board | 5 | 1 0 | 712 | ... | 37·90 | 235 | 163 |
| D | Wigton (Brookfield) | J. Carruthers, Esq., B.A., B.Sc. | 5 | 1 0 | 110 | 36·7 | 28·23 | 171 | 125 |
| d | Wreay Vicarage | Rev. J. Sanderson | 5 | 1 0 | 300 | 31·5 | 27·55 | ... | 157 |
| D | SILLOTH Airfield (+A) | Meteorological Office | 5 | 1 0 | 24 | ... | 29·92 | 168 | 133 |
| D | Geltsdale | L. J. A. Stow, Esq. | 5 | 1 2 | 778 | 36·8 | 34·63 | 214 | 162 |

§ Turf wall round gauge.

## DIVISION X—NORTHERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1952 Rainfall | 1952 Days with ·01 in. or more | 1952 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **CUMBERLAND—(*contd.*).** | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **1.—EDEN & SOLWAY.—(*contd.*).** | | | | | | | | |
| D | Carlisle (Spital Cemetery) | Superintendent | 8 | 1 0 | 114 | 31·8 | 28·29 | 192 | 128 |
| | Carlisle (Denton Holme) | W. Pogson, Esq. | 5 | 1 0 | 57 | 30·1 | 26·70 | ... | ... |
| D | Carlisle (Rose Hill) | H. Lonsdale, Esq. | 8 | 1 3 | 105 | ... | 31·46 | 186 | 142 |
| D | Carlisle (Sewage Works) | L. J. A. Stow, Esq. | 5 | 1 0 | 39 | ... | 27·43 | 189 | 127 |
| d | Bewcastle (Stockastead) | Border R.D.C. | 5 | 1 0 | 750 | *47·5* | 42·83 | ... | ... |
| | **2.—DERWENT. 257 sq. mi.** | | | | | | | | |
| M | Borrowdale (Stockley Bridge) | F. Bainbridge, Esq., for M.O. | 5 | 1 0 | 585 | *130·9* | 123·25 | ... | ... |
| M | Borrowdale (Seathwaite) | F. Bainbridge, Esq., for M.O. | 5 | 1 0 | 423 | 122·0 | 107·75 | ... | ... |
| M | Helvellyn (Hill Top Gill) | Manchester Corpn. W.W. | 5 | 1 0 | 1025 | ... | 89·05 | ... | ... |
| M | §Ullscarf | Manchester Corpn. W.W. | 5 | 1 0 | 2100 | 119·8 | 86·58 | ... | ... |
| D | Thirlmere (The Nook) | Manchester Corpn. W.W. | 5 | 1 0 | 621 | ... | 84·74 | 248 | 182 |
| M | §Helvellyn (Birkside) | Manchester Corpn. W.W. | 5 | 1 0 | 1900 | ... | 87·05 | ... | ... |
| M | Wythburn | Manchester Corpn. W.W. | 5 | 1 0 | 610 | 96·8 | 83·82 | ... | ... |
| M | Helvellyn (Brown Rigg) | Manchester Corpn. W.W. | 5 | 1 0 | 1400 | *112·0* | 89·65 | ... | ... |
| D | Borrowdale (The Moraine) : | W. Banstead, Esq. | 5 | 1 0 | 330 | 97·5 | 81·61 | 180 | 167 |
| M | Helvellyn (Brown Cove) | Manchester Corpn. W.W. | 5 | 1 0 | 1800 | ... | 84·01 | ... | ... |
| D | Watendlath Farm | W. Tyson, Esq., | 5 | 1 0 | 800 | *88·5* | 70·86 | 181 | 168 |
| D | §Thirlmere (Dale Head Hall) | Manchester Corpn. W.W. | 5 | 1 0 | 620 | 86·7 | 76·09 | 248 | 184 |
| D | KESWICK (High Hill) | (+A) Tom Wilson, Esq, | 5 | 1 0 | 254 | 54·9 | 51·38 | 199 | 160 |
| D | Braithwaite (Black Wood) | C. Barnes, Esq. | 8 | 1 0 | 400 | *60·3* | 56·37 | 195 | 156 |
| d | Keswick (Mirehouse) | Miss Spedding | 5 | 1 1 | 280 | 49·8 | 47·14 | ... | ... |
| D | Workington (Stainburn Reservoir) | H. Kay, Esq., C.E. | 5 | 1 0 | 180 | 36·9 | 35·57 | 179 | 136 |
| D | Cockermouth (Waterworks) | M. M. Dixon, Esq. | 5 | 1 0 | 350 | ... | 40·61 | 207 | 156 |
| | **3.—WEST COAST STREAMS. 235 sq. mi.** | | | | | | | | |
| d | Bootle (Fellside) | Millom R.D.C. | 5 | 1 0 | 265 | ... | 43·10 | ... | ... |
| D | Ravenglass (The Grove) | W. G. Marriot, Esq. | 5 | 1 0 | 70 | 42·5 | 36·77 | 190 | 142 |
| D | SELLAFIELD (Windscale Works) | Ministry of Supply, for M.O. | 5 | 1 0 | 43 | ... | 33·28 | 162 | 134 |
| D | Gosforth (Netherwasdale) | J. M. Sewell, Esq. | 5 | 1 0 | 180 | ... | 55·38 | 196 | 172 |
| D | Braystones | H. H. Watson, Esq. | 5 | 1 0 | 36 | 37·5 | 34·65 | 182 | 140 |
| M | Beckermet (Bankfield) | J. R. Atkinson, Esq. | 5 | 1 0 | 132 | ... | 33·14 | ... | ... |
| M | Wast Water (Wasdale Head) | H. H. Watson, Esq. | 5 | 1 0 | 280 | ... | 91·60 | ... | ... |
| M | Ennerdale (Gillerthwaite) | H. H. Watson, Esq. | 5 | 1 0 | 445 | ... | 82·10 | ... | ... |
| D | Whitehaven (Stanley Pond) | National Coal Board | 5 | 1 6 | 45 | 47·5 | 38·35 | 184 | 148 |
| D | St. Bees Head Lighthouse | (+A) Principal Keeper, for M.O. | 5 | 1 0 | 400 | ... | 30·53 | 181 | 132 |
| D | Whitehaven (Scragill Reservoir) | Borough Engineer | 8 | 1 0 | 188 | 43·5 | 34·23 | 227 | 141 |
| | **4.—DUDDON & C. 50 sq. mi.** | | | | | | | | |
| D | Millom (Lanthwaite) | Millom R.D.C. | 5 | 1 0 | 165 | ... | 48·64 | 199 | 153 |
| D | §Ulpha | Water Engineer, Barrow | 5 | 1 0 | 251 | ... | 72·33 | 214 | 181 |
| | **5.—SOUTH TYNE. 87 sq. mi.** | | | | | | | | |
| D | ALSTON (Grammar School) | W. E. Richardson, Esq. | 5 | 1 0 | 1069 | ... | 47·32 | 227 | 176 |
| | **WESTMORLAND. (Area, 783 sq. mi.)** | | | | | | | | |
| | **1.—EDEN. 373 sq. mi.** | | | | | | | | |
| D | Kirkby Stephen (Eden Place) | Miss Marcia Mason, J.P. | 5 | 1 0 | 544 | ... | 30·48 | 196 | 138 |
| M | §Wasdale Pike | Manchester Corpn. W.W. | 5 | 1 0 | 1825 | 79·4 | 80·80 | ... | ... |
| M | Mosedale (Mosedale Cottage) | Manchester Corpn. W.W. | 5 | 1 0 | 1443 | 87·8 | 92·17 | ... | ... |

§ Turf wall round gauge.

## DIVISION X—NORTHERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge: Diam. | Height of Rim above Ground | Height of Ground above Sea Level | Average Rainfall | 1952: Rainfall | Days with ·01 in. or more | Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **WESTMORLAND—(*contd.*).** | | *in.* | *ft.* *in.* | *ft.* | *in.* | *in.* | | |
| | **1.—EDEN.—(*contd.*).** | | | | | | | | |
| M | §Mosedale (Artle Crag) ... | ... Manchester Corpn. W.W.... | 5 | 1 0 | 2134 | ... | 92·82 | ... | ... |
| | Wet Sleddale (Mirethwaite) ... | ... Manchester Corpn. W.W.... | 5 | 1 0 | 995 | 64·7 | 73·47 | ... | ... |
| | §Sleddale (High Wether Howe) | ... Manchester Corpn. W.W.... | 5 | 1 0 | 1620 | ... | 71·29 | ... | ... |
| | §Mardale (Riggindale) ... ... | ... Manchester Corpn. W.W.... | 5 | 1 0 | 892 | ... | 85·46 | ... | ... |
| M | §Mardale (Whelter) ... ... | ... Manchester Corpn. W.W.... | 5 | 1 0 | 819 | ... | 76·91 | ... | ... |
| | Mardale (Low Raise) ... ... | ... Manchester Corpn. W.W.... | 5 | 1 0 | 2465 | ... | 90·12 | ... | ... |
| | Shap (Thornship Gill) ... ... | ... Manchester Corpn. W.W.... | 5 | 1 0 | 844 | 57·3 | 49·86 | ... | ... |
| | §Mardale (Guerness) ... ... | ... Manchester Corpn. W.W.... | 5 | 1 0 | 905 | ... | 68·58 | ... | ... |
| | §Shap (Tailbert Head) ... ... | ... Manchester Corpn. W.W.... | 5 | 1 0 | 1100 | 55·6 | 47·59 | ... | ... |
| M | §Hawes Water (Wallow Crag) ... | ... Manchester Corpn. W.W.... | 5 | 1 0 | 1412 | *72·1* | 64·92 | ... | ... |
| M | Hawes Water (Naddle House) | ... Manchester Corpn. W.W.... | 5 | 1 0 | 825 | 60·5 | (53·93) | ... | ... |
| | Hawes Water (Sandhills) ... | ... Manchester Corpn. W.W.... | 5 | 1 0 | 824 | 69·6 | 58·69 | ... | ... |
| | Measand Beck (Keasgill) ... | ... Manchester Corpn. W.W.... | 5 | 1 0 | 1800 | *82·7* | 77·28 | ... | ... |
| D | §Hawes Water (Burn Banks) ... | ... Manchester Corpn. W.W.... | 5 | 1 0 | 835 | *65·0* | 57·43 | 216 | 150 |
| D | Patterdale Hall ... ... ... | ... Mr. T. Atkinson ... ... | 5 | 1 3 | 490 | 86·4 | 78·57 | 170 | 159 |
| M | Bampton( Atkinsons Grain) :... | ... Manchester Corpn. W.W.... | 5 | 1 0 | 2175 | 87·5 | (69·88) | ... | ... |
| d | Patterdale (Greenside Mine) ... | ... Basinghall Mining Synd. Ltd. | 5 | 0 9 | 1081 | 91·9 | 82·56 | ... | ... |
| M | §Bampton (Sealhole Grain) B. | ... Manchester Corpn. W.W.... | 5 | 1 0 | 1775 | ... | 71·18 | ... | ... |
| | Bampton (Stanegarth) ... ... | ... Manchester Corpn. W.W.... | 5 | 1 0 | 913 | 59·5 | 52·96 | ... | ... |
| M | Cawdale Beck (Howe Grain) ... | ... Manchester Corpn. W.W.... | 5 | 1 0 | 1130 | *67·6* | (61·32) | ... | ... |
| | Heltondale (Kidmoor) ... | ... Manchester Corpn. W.W.... | 5 | 1 0 | 1043 | ... | 49·86 | ... | ... |
| D | Martindale (Howtown) ... | ... G. G. Rylands, Esq. ... ... | 5 | 1 0 | 600 | ... | 55·16 | 197 | 153 |
| D | Appleby Castle ... ... ... | ... Cumberland River Board ... | 5 | 1 0 | 440 | 35·0 | 28·65 | 211 | 136 |
| | Appleby (Bongate Cross) ... | ... E. H. Illingworth, Esq. ... | 5 | 0 10 | 520 | ... | 28·41 | ... | ... |
| d | Penrith (Lowther Castle) ... | ... Mr. J. Jeffrey ... ... | 5 | 1 0 | 760 | 41·8 | 40·60 | ... | ... |
| D | Penrith (Barton House) ... | ... Mrs. Legh Tolson ... ... | 5 | 1 0 | 500 | 42·4 | 36·55 | 193 | 163 |
| D | Pooley Bridge (Bowerbank) ... | ... H. T. Thompson, Esq. ... | 5 | 0 9 | 500 | ... | 37·54 | 181 | 154 |
| d | Temple Sowerby ... ... | ... Cumberland River Board ... | 5 | 1 0 | 355 | ... | (30·30) | ... | ... |
| | **2.—LEVEN. 60 sq. mi.** | | | | | | | | |
| D | Windermere (Nurseries) ... | ... Windermere U.D.C. ... | 5 | 0 10 | 350 | *61·6* | 58·98 | 207 | 168 |
| D | Windermere (Holehird) ... | ... H. L. Groves, Esq. ... | 5 | 1 0 | 500 | 68·0 | 62·07 | 232 | 174 |
| D | Windermere( Brockhole) ... | ... C. Bateman, Esq. ... ... | 5 | 0 8 | 175 | 66·3 | 59·70 | 190 | 172 |
| D | Windermere (Briery Close) ... | ... Mrs. E. L. Hedley ... ... | 5 | 1 0 | 325 | ... | 59·85 | 217 | 171 |
| d | Troutbeck (The Howe) ... | ... Miss P. M. Molyneux ... | 5 | 0 9 | 496 | ... | 61·49 | ... | ... |
| D | AMBLESIDE ... ... ... | ... The Lakes U.D.C. (Clerk)... | 5 | 1 0 | 145 | 70·9 | 64·94 | 215 | 172 |
| D | Rydal (High Close) ... ... | ... Mrs. M. Jones-Balme ... | 8 | 0 9 | 553 | 83·3 | 72·61 | 219 | 187 |
| D | Rydal (The Hall) ... ... | ... R. E. Porter, Esq. ... ... | 5 | 1 0 | 354 | 82·1 | 74·57 | 224 | 181 |
| D | Great Langdale (Long House) | ... Mrs. G. Satow ... ... | 5 | 1 0 | 340 | ... | 88·59 | 219 | 188 |
| D | Grasmere (Meadow Brow) ... | ... J. Abbott, Esq. ... ... | 5 | 1 0 | 350 | 88·5 | 77·37 | 229 | 193 |
| | **3.—KENT. 188 sq. mi.** | | | | | | | | |
| D | Milnethorpe (Crooklands) ... | ... Docks & Inland Waterways | 5 | 1 0 | 156 | ... | 39·79 | 203 | 149 |
| D | Heversham (Plumtree Hall) ... | ... Miss Lilian Watson ... | 5 | 1 0 | 120 | 45·7 | 35·30 | 197 | 158 |
| D | Levens (Beathwaite) ... ... | ... John A. Bush, Esq. ... | 5 | 1 2 | 125 | *46·8* | 45·36 | 214 | 152 |
| d | Killington Reservoir ... ... | ... Docks & Inland Waterways | 5 | 1 0 | 670 | *49·8* | 45·25 | ... | 163 |
| D | Kendal School ... ... ... | ... N. Whitton, Esq. ... ... | 5 | 1 0 | 136 | ... | 41·05 | 175 | 145 |
| D | Kendal (Gasworks) ... ... | ... Gas Engineer ... ... | 5 | 1 3 | 146 | *48·2* | 43·44 | 196 | 154 |
| D | Kendal (Fisher Tarn Reservoir) | ... Water Engineer ... ... | 5 | 1 0 | 742 | *51·7* | 47·05 | 222 | 167 |
| D | Kendal (Ellergreen) ... ... | ... J. W. Cropper, Esq. ... | 5 | 1 6 | 270 | 58·2 | 51·59 | 215 | 167 |
| | Troutbeck (Dubbs Reservoir) ... | ... Windermere U.D.C. ... | 5 | 1 3 | 745 | ... | 60·62 | ... | ... |
| | **4.—LUNE. 122 sq. mi.** | | | | | | | | |
| | **5.—TEES. 40 sq. mi.** | | | | | | | | |
| | Lunedale (Conny Pot) ... ... | ... T. S. R. Winter, Esq., C.E. | 5 | 1 0 | 1840 | ... | 56·20 | ... | ... |

§ Turf wall round gauge.

# DIVISION XI—MONMOUTHSHIRE, WALES, AND THE ISLANDS

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Height of Rim above Ground | Height of Ground above Sea Level | Average Rainfall | 1952 Rainfall | Days with ·01 in. or more | Days with ·04 in or more |
|---|---|---|---|---|---|---|---|---|---|
| | **MONMOUTHSHIRE. (Area, 534 sq. mi.)** | | *in.* | *ft.* *in.* | *ft.* | *in.* | *in.* | | |
| | **1.—RHYMNEY. 39 sq. mi.** | | | | | | | | |
| D | Machen Quarry | Machen Quarries, Ltd. | 5 | 2 0 | 250 | ... | 49·17 | 175 | 134 |
| | **2.—EBBW. 88 sq. mi.** | | | | | | | | |
| D | Rogerstone (Newport Golf Links) | W. H. Halsey, Esq. | 5 | 0 8 | 304 | ... | 46·16 | 171 | 139 |
| D | Abercarn (Nantydraenog Reservoir) | W. Cory Goddard, Esq., C.E. | 5 | 1 0 | 715 | ... | 55·60 | 192 | 154 |
| D | Blackwood | T. J. Jones, Esq. | 5 | 0 10 | 650 | ... | 53·33 | 181 | 150 |
| D | Abertillery (The Park) | Medical Officer of Health | 5 | 1 0 | 600 | 57·2 | 60·14 | 193 | 165 |
| D | Cwmtillery Reservoir | W. Cory Goddard, Esq., C.E. | 5 | 1 0 | 1130 | ... | 54·89 | 193 | 155 |
| d | Tredegar (Laboratory) | National Coal Board | 5 | 2 0 | 950 | ... | 60·54 | ... | ... |
| D | TREDEGAR (Bedwellty Park) | Urban District Council | 5 | 1 0 | 992 | ... | 61·26 | 203 | 176 |
| D | Ebbw Vale (Iron Works) | Richard Thomas & Baldwins | 8 | 1 0 | 930 | ... | 56·23 | 206 | 165 |
| D | Ebbw Vale Waterworks (Carno S.) | J. Grafton Hoskins, Esq., C.E. | 5 | 1 0 | 1262 | ... | 61·59 | 204 | 176 |
| d | Beaufort (Blaen-y-Cwm Reservoir) | Richard Thomas & Baldwins | 8 | 1 0 | 1340 | ... | 62·36 | 197 | 160 |
| | **3.—USK & C. 290 sq. mi.** | | | | | | | | |
| d | Portskewett (Sudbrook) | British Railways | 8 | 1 0 | 51 | ... | 35·47 | ... | ... |
| D | NEWPORT (Hospital) | Medical Officer of Health | 8 | 1 0 | 265 | ... | 43·76 | 182 | 135 |
| D | Newport W.W. (Pant-yr-eos Res.) | Newport Corporation | 5 | 1 0 | 435 | ... | 53·72 | 205 | 151 |
| D | Newport W.W. (Nantypridd) | Newport Corporation | 5 | 1 0 | 500 | ... | 43·71 | 179 | 145 |
| D | Shirenewton (Filter House) | Chepstow Water Co. | 8 | 4 6 | 300 | ... | 42·01 | 175 | 143 |
| D | Newport W.W. (Newchurch) | Newport Corporation | 5 | 1 0 | 550 | ... | 42·90 | 179 | 145 |
| D | USK | Monmouth Agric. Institute | 5 | 1 0 | 70 | ... | 39·03 | 162 | 130 |
| d | Llanarth (Blackfriars School) | Rev. Father J.D.Cheales, O.P. | 5 | 1 0 | 140 | ... | 35·82 | ... | ... |
| D | Abergavenny (Parc Llettis) | Mrs. L. Whitehead, O.B.E. | 5 | 1 0 | 325 | ... | 38·78 | 170 | 140 |
| D | Abergavenny (Plâs Derwen) | Alan Whitehead, Esq. | 5 | 1 6 | 200 | ... | 43·75 | 174 | 143 |
| D | Abergavenny (Ty-Clyd) | F. D. Llewelyn, Esq. | 5 | 1 0 | 272 | 45·1 | 48·50 | 182 | 152 |
| D | Abergavenny (Larchfield) | Medical Superintendent | 5 | 1 0 | 240 | 37·5 | 39·73 | 173 | 137 |
| D | Grwyne Fawr (Coed Dias) | Miss Baker-Gabb | 5 | 1 0 | 900 | 44·6 | 50·62 | 200 | 159 |
| D | Chepstow (Bethdour) | Chepstow Water Co. | 5 | 1 3 | 176 | ... | 35·90 | 161 | 124 |
| | **4.—WYE. 117 sq. mi.** | | | | | | | | |
| d | Monmouth (Cornwall House) | P. G. Harvey, Esq., M.D. | 5 | 1 5 | 55 | ... | 31·49 | 150 | 119 |
| d | Brynderi School | W. G. De Winton, Esq.* | 5 | 1 0 | 500 | ... | 33·82 | 149 | 128 |
| D | Skenfrith | W. J. Hamer, Esq.* | 5 | 1 0 | 140 | ... | 34·92 | 160 | 132 |
| D | Trewyn | Mrs. C. C. Molyneux | 5 | 0 10 | 500 | ... | 42·62 | 188 | 151 |
| D | Grosmont | B. Beale, Esq. | 5 | 1 0 | 420 | ... | 38·09 | 155 | 139 |
| | **GLAMORGAN. (Area, 808 sq. mi.).** | | | | | | | | |
| | **1.—LOUGHOR. 55 sq. mi.** | | | | | | | | |
| D | Felindre (Lower Lliw Reservoir) | T. Price, Esq., C.E. | 8 | 1 0 | 416 | ... | 57·65 | 228 | 176 |
| D | Felindre (Upper Lliw Reservoir) (+A) | T. Price, Esq., C.E. | 8 | 1 3 | 599 | ... | 61·16 | 226 | 176 |
| | **2.—GOWER PENINSULA. 62 sq. mi.** | | | | | | | | |
| D | Gower (Penrice Castle) | Major B. C. Smartt | 5 | 2 0 | 30 | ... | 46·67 | 179 | 156 |
| d | Penmaen (Cefn Môr) | Mrs. R. S. Palmer | 5 | 1 6 | 300 | 41·5 | 45·84 | 163 | 156 |
| | **3.—TAWE. 47 sq. mi.** | | | | | | | | |
| D | SWANSEA (Victoria Park) (+A) | Town Clerk | 8 | 1 0 | 32 | 44·7 | 44·43 | 194 | 154 |
| d | Clydach | Mond Nickel Co., Ltd. | 5 | 1 0 | 78 | ... | 50·11 | ... | ... |
| D | Ystalyfera (Wern House) | Miss L. Williams | 5 | 1 6 | 240 | 64·8 | 59·58 | 189 | 161 |
| | **4.—NEATH. 82 sq. mi.** | | | | | | | | |
| D | Briton Ferry (Cefn Cwrt) | Borough Engineer, Neath | 5 | 1 0 | 503 | 47·7 | 54·48 | 208 | 160 |
| D | Neath (Oil Refineries) | National Oil Refineries, Ltd. | 5 | 1 0 | 145 | ... | 47·91 | 193 | 144 |

* *Per* Wye River Board.

## DIVISION XI—MONMOUTHSHIRE, WALES, AND THE ISLANDS—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1952 Rainfall | 1952 Days with ·01 in. or more | 1952 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | GLAMORGAN—(*contd.*). | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **4.—NEATH.—(*contd.*).** | | | | | | | | |
| D | Neath (Cimla Reservoir) | Borough Engineer | 5 | 1 0 | 360 | ... | 55·81 | 193 | 162 |
| D | Neath (Gnoll Reservoir) | Borough Engineer | 5 | 1 0 | 204 | 52·1 | 51·84 | 195 | 159 |
| D | Neath (Brynteg) | H. P. Lloyd, Esq. | 5 | 0 9 | 100 | ... | 52·25 | 195 | 162 |
| D | Neath (Glynfelin) | T. Gibbins, Esq. | 5 | 1 6 | 180 | ... | 56·26 | 198 | 173 |
| D | Rhondda W.W. (Llyn Fawr Reservoir) | J. B. Hughes, Esq. | 5 | 1 0 | 1220 | 88·6 | 80·80 | 215 | 185 |
| D | Resolven (Brynawelon) | Forestry Commission | 5 | 1 0 | 250 | ... | 59·32 | 199 | 168 |
| | **5.—OGMORE & C. 350 sq. mi.** | | | | | | | | |
| d | St. Athan | H. Thomas, Esq. | 5 | 1 0 | 50 | ... | 42·93 | 174 | 151 |
| D | LLANDOW Airfield | Meteorological Office | 5 | 1 6 | 265 | ... | 42·44 | 191 | 144 |
| d | Lower Penarth | Surveyor | 5 | 1 0 | 66 | 34·9 | 42·28 | ... | ... |
| D | Penarth (Cemetery) | Surveyor | 5 | 1 0 | 99 | ... | 40·10 | 165 | 140 |
| D | Penarth (West House) | Surveyor | 5 | 1 0 | 148 | 37·1 | 42·43 | 180 | 133 |
| D | Cardiff (Cogan Pumping Station) | G. W. Cover, Esq., C.E. | 5 | 1 0 | 121 | 37·7 | 43·74 | 171 | 139 |
| d | Cowbridge (Tair Onen Nursery) | Forestry Commission | 5 | 1 0 | 421 | ... | 47·01 | ... | ... |
| D | Cardiff (St. Fagan's Castle) | Mr. F. W. Chivers | 5 | 1 0 | 100 | 48·5 | 48·25 | 170 | 158 |
| D | Cowbridge (Pentre Meyrick) | F. E. P. Dunn, Esq. | 5 | 1 0 | 300 | ... | 45·80 | 204 | 155 |
| | Cowbridge (Pwllwy) | Mid-Glamorgan Water Bd. | 5 | 1 0 | 92 | ... | 45·54 | ... | ... |
| D | PORTHCAWL (Griffin Park) | Urban District Council | 5 | 1 0 | 19 | ... | 39·11 | 186 | 145 |
| | Merthyr Mawr (Schwyll) | Mid-Glamorgan Water Bd. | 5 | 1 3 | 45 | ... | 46·02 | ... | ... |
| | Merthyr Mawr | R. I. Nicholl, Esq. | 5 | 1 0 | 75 | 42·9 | 48·83 | ... | ... |
| D | Bridgend (Erw Graig) | Mid-Glamorgan Water Bd. | 8 | 1 6 | 50 | ... | 44·94 | 228 | 168 |
| D | Llanharan (Sewage Works) | H. Thomas, Esq. | 5 | 1 0 | 175 | ... | 51·26 | 202 | 157 |
| d | Margam (Kenfig Factory) | British Industrial Solvents Ltd. | 5 | 1 0 | 35 | ... | 46·27 | ... | ... |
| D | Port Talbot | Steel Co. of Wales, Ltd. | 5 | 1 0 | 24 | ... | 44·36 | 195 | 155 |
| D | Maesteg (Salisbury Road) | H. L. Davies, Esq. | 5 | 1 0 | 560 | ... | 61·80 | 193 | 164 |
| D | Maesteg (Isolation Hospital) | Engineer & Surveyor | 8 | 1 0 | 600 | ... | 62·12 | 217 | 180 |
| D | Maesteg (Welfare Park) | (+A) Engineer & Surveyor | 5 | 1 0 | 550 | ... | 68·22 | 222 | 182 |
| d | Pontycymmer | Mid-Glamorgan Water Bd. | 8 | 1 0 | 560 | ... | 74·14 | ... | ... |
| D | Ogmore Vale | Mid-Glamorgan Water Bd. | 8 | 1 2 | 580 | ... | 80·84 | 212 | 174 |
| | **6.—TAFF. 157 sq. mi.** | | | | | | | | |
| D | Rhubina Reservoir | G. W. Cover, Esq., C.E. | 5 | 1 0 | 336 | 48·1 | 50·94 | 191 | 148 |
| D | Pontypridd (Ty-Gwyn Res.) | Pontypridd & Rhondda W.B. | 5 | 1 6 | 725 | ... | 59·69 | 190 | 162 |
| D | Pontypridd (Treforest Secondary Sch.) | W. C. John, Esq. | 5 | 1 0 | 360 | ... | 60·33 | 182 | 145 |
| d | Pontypridd (Boys' Grammar School) | E. G. Mort, Esq. | 5 | 1 0 | 330 | ... | 56·99 | 201 | 157 |
| D | Pontypridd (Lanwood Reservoir) | Pontypridd & Rhondda W.B. | 5 | 1 6 | 300 | ... | 59·95 | 195 | 158 |
| D | Porth Park | A. H. Gillard, Esq. | 5 | 1 0 | 400 | ... | 67·71 | 190 | 155 |
| D | Pontypridd (Llanfabon) | Pontypridd & Rhondda W.B. | 5 | 1 6 | 600 | ... | 63·06 | 196 | 160 |
| D | §Treorchy (Pumping Station) | A. H. Gillard, Esq. | 5 | 1 0 | 515 | ... | 79·89 | 210 | 177 |
| D | Ferndale Park | A. H. Gillard, Esq. | 5 | 1 0 | 860 | ... | 69·60 | 179 | 158 |
| d | Treharris (Service Reservoir) | D. C. W. Jones, Esq., C.E. | 5 | 1 3 | 765 | 52·3 | 57·44 | ... | 160 |
| D | Treherbert Park | A. H. Gillard, Esq. | 5 | 1 0 | 600 | ... | 80·65 | 222 | 177 |
| D | Mountain Ash (Darranlas Reservoir) | Engineer & Surveyor | 5 | 0 11 | 540 | 63·0 | 60·44 | 201 | 156 |
| D | §Treherbert (Tyn-y-waun) | J. B. Hughes, Esq. | 5 | 1 0 | 801 | 87·0 | 81·50 | 210 | 173 |
| D | Rhondda (Castell Nos Reservoir) | Pontypridd & Rhondda W.B. | 5 | 1 0 | 1060 | ... | 75·88 | 212 | 168 |
| D | Rhondda (Lluest Wen Filter) | Pontypridd & Rhondda W.B. | 5 | 1 0 | 1200 | ... | 77·53 | 212 | 177 |
| D | Rhondda (Lluest Wen Reservoir) | Pontypridd & Rhondda W.B. | 5 | 1 0 | 1280 | 89·0 | 79·53 | 212 | 181 |
| D | Merthyr Tydfil (Penybryn Filters) | D. C. W. Jones, Esq., C.E. | 5 | 1 3 | 937 | 54·0 | 51·55 | 219 | 190 |
| D | Merthyr Tydfil (Bronygarth) | F. L. G. Bevan, Esq. | 5 | 1 0 | 770 | ... | 52·68 | 206 | 153 |
| D | Dowlais | Imperial Chem. Indust. | 5 | 1 0 | 1075 | ... | 53·94 | 181 | 156 |
| D | Dowlais (Gwernllwyn) | A. F. Adams, Esq. | 5 | 1 0 | 1071 | 51·4 | 53·90 | 208 | 174 |
| D | Dowlais (Garth Filter Beds) | A. C. Quiningborough, Esq. | 5 | 1 0 | 1245 | ... | 61·56 | 231 | 180 |

§ Turf wall round gauge.

## DIVISION XI—MONMOUTHSHIRE, WALES, AND THE ISLANDS—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge: Diam. | Rain-gauge: Height of Rim above Ground | Rain-gauge: Height of Ground above Sea Level | Average Rainfall | 1952: Rainfall | 1952: Days with ·01 in. or more | 1952: Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | GLAMORGAN—(*contd.*). | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **7.—RHYMNEY. 55 sq. mi.** | | | | | | | | |
| D | Cardiff (Roath Park) | Chief Officer of Parks | 5 | 1 0 | 51 | 41·6 | 43·72 | 179 | 142 |
| D | CARDIFF (Penylan) (+A) | Medical Officer of Health | 5 | 1 0 | 202 | 41·4 | 42·67 | 188 | 135 |
| D | Cardiff (Heath Filters) | G. W. Cover, Esq., C.E. | 5 | 1 0 | 132 | 41·3 | 45·76 | 194 | 140 |
| D | Llanishen Reservoir | G. W. Cover, Esq., C.E. | 5 | 1 0 | 155 | 39·4 | 45·48 | 179 | 138 |
| D | Rhymney Bridge Reservoir (+A) | Engineer | 8 | 0 6 | 1150 | ... | 57·56 | 226 | 181 |
| | **CARMARTHENSHIRE. (Area, 918 sq. mi.)** | | | | | | | | |
| | **1.—TEIFI. 87 sq. mi.** | | | | | | | | |
| | **2.—TOWY & C. 715 sq. mi.** | | | | | | | | |
| d | Whitland | Wilts United Dairies, Ltd. | 5 | 1 0 | 60 | ... | 51·07 | 182 | 161 |
| | Carmarthen (Llangunnor Road) | S.W. Wales River Board | 8 | 1 6 | 19 | ... | 51·54 | 210 | 177 |
| D | Carmarthen (St. Davids Avenue) | E. W. Francis, Esq. | 5 | 1 0 | 100 | ... | 53·48 | 213 | 174 |
| D | Carmarthen (Cwmoernant Reservoir) | E. Gooseman, Esq. | 5 | 1 0 | 135 | ... | 55·41 | 235 | 191 |
| D | Carmarthen (Fryn-hir) | C. V. Lewis, Esq. | 5 | 1 0 | 155 | ... | 52·54 | 233 | 165 |
| D | Llandilo (Golden Grove Fm. Inst.) | J. L. Lloyd, Esq. | 5 | 1 0 | 100 | ... | 49·75 | 216 | 166 |
| D | Llandilo (Dynevor Castle) | Mr. Ben Davies | 8 | 1 0 | 202 | 53·2 | 51·10 | 244 | 182 |
| W | Llyn-y-fan Fach (Waen Sychlwch) | Llanelly R.D.C. | 5 | 1 0 | 1647 | 103·0 | 85·64 | ... | ... |
| D | Llyn-y-fan Fach (Nant Coch) | Llanelly R.D.C. | 5 | 1 0 | 1172 | 77·8 | 72·80 | 187 | 176 |
| W | Llyn-y-fan Fach (Bua'r Llyn) | Llanelly R.D.C. | 5 | 1 0 | 1650 | 102·0 | 92·14 | ... | ... |
| D | Llyn-y-fan-Fach (Troed-y-Foel) | Llanelly R.D.C. | 5 | 1 0 | 867 | ... | 66·56 | 187 | 171 |
| D | Llanddeusant (Pontcrynfe) | J. Thomas, Esq. | 5 | 1 0 | 323 | 55·6 | 51·31 | 217 | 168 |
| D | Conwil-Elvet (Cwmtawel Reservoir) | E. Gooseman, Esq. | 5 | 1 0 | 350 | ... | 59·95 | 227 | 185 |
| D | Brechfa | Capt. C. Joynson | 5 | 1 0 | 290 | ... | 62·82 | 236 | 182 |
| D | Abergorlech | S. L. Davies, Esq. | 5 | 1 0 | 245 | ... | 61·65 | 220 | 187 |
| D | Llandovery (Nantyrhogfaen) | D. T. M. Jones, Esq. | 5 | 1 0 | 249 | 50·8 | 49·32 | 224 | 182 |
| d | Cynghordy (Clynsaer) | B. R. Gibbins, Esq. | 5 | 1 0 | 490 | ... | 50·81 | ... | ... |
| D | Rhandirmwyn (Nantywyn) | Capt. H. R. H. Vaughan | 5 | 1 0 | 475 | ... | 58·65 | 236 | 190 |
| | **3.—LOUGHOR & C. 104 sq. mi.** | | | | | | | | |
| D | Llanelly (Filter Beds) | Llanelly U.D.C. | 5 | 1 0 | 237 | 48·7 | 48·90 | 207 | 168 |
| D | Llanelly (Cwmlliedi Waterworks) | Llanelly U.D.C. | 5 | 1 1 | 240 | 48·7 | 49·40 | 211 | 171 |
| d | Pembrey (The Colony) | Forestry Commission | 5 | 1 0 | 19 | ... | 41·06 | ... | ... |
| D | Llanelly (Upper Lliedi Reservoir) | Llanelly U.D.C. | 5 | 0 11 | 290 | ... | 50·90 | 216 | 162 |
| D | Kidwelly | Llanelly U.D.C. | 5 | 1 6 | 60 | ... | 49·45 | 198 | 166 |
| W | Llannon Reservoir | Llanelly R.D.C. | 5 | 1 0 | 860 | ... | 56·80 | ... | ... |
| | **4.—TAWE. 7 sq. mi.** | | | | | | | | |
| | **5.—USK. 5 sq. mi.** | | | | | | | | |
| D | Upper Usk 1 | T. Price, Esq., C.E. | 5 | 1 0 | 990 | ... | 48·21 | 199 | 177 |
| M | Upper Usk 2 | T. Price, Esq., C.E. | 5 | 1 0 | 1390 | ... | 50·00 | ... | ... |
| M | Upper Usk 3 | T. Price, Esq., C.E. | 5 | 1 0 | 1350 | ... | 48·50 | ... | ... |
| M | Upper Usk 4 | T. Price, Esq., C.E. | 5 | 1 0 | 990 | ... | 52·50 | ... | ... |
| M | Upper Usk 5 | T. Price, Esq., C.E. | 5 | 1 0 | 1090 | ... | 62·80 | ... | ... |
| M | Upper Usk 6 | T. Price, Esq., C.E. | 5 | 1 0 | 1390 | ... | 72·30 | ... | ... |
| | **6.—WYE.** | | | | | | | | |
| | **PEMBROKESHIRE. (Area, 617 sq. mi.)** | | | | | | | | |
| | **1.—TEIFI. 37 sq. mi.** | | | | | | | | |
| | **2.—NEVERN & C. 91 sq. mi.** | | | | | | | | |
| D | Goodwick (Trenewydd) | Mrs. G. M. Johns | 5 | 1 0 | 300 | ... | 36·59 | 194 | 138 |
| | **3.—WEST COAST STREAMS. 82 sq. mi.** | | | | | | | | |

## DIVISION XI—MONMOUTHSHIRE, WALES, AND THE ISLANDS—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge: Diam. | Rain-gauge: Height of Rim above Ground | Rain-gauge: Height of Ground above Sea Level | Average Rainfall | 1952: Rainfall | 1952: Days with ·01 in. or more | 1952: Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | PEMBROKESHIRE—(*contd.*). | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **4.—CLEDDAU & C. 407 sq. mi.** | | | | | | | | |
| d | Pembroke (Stackpole Court) | Mr. F. G. Garlick | 5 | 1 6 | 60 | 39·3 | 38·84 | ... | ... |
| D | TENBY (The Priory) | Borough Council | 8 | 1 0 | 64 | 40·9 | 41·34 | 200 | 147 |
| D | PEMBROKE DOCK (+A) | Meteorological Office | 5 | 1 0 | 34 | ... | 38·89 | 195 | 148 |
| D | Milford Haven (Grammar School) | C. Davies, Esq. | 5 | 1 0 | 170 | ... | 37·71 | 179 | 140 |
| D | MILFORD HAVEN | Murex Ltd. | 5 | 1 0 | 179 | ... | 37·63 | 183 | 148 |
| d | Narberth (Blackpool) | Forestry Commission | 8 | 1 0 | 300 | ... | 45·90 | ... | ... |
| D | HAVERFORDWEST (Hospital Grounds) | Borough Surveyor | 5 | 1 0 | 133 | ... | 46·79 | 207 | 167 |
| D | Maenclochog (Ddolwen Bridge) | Prescilly Water Board | 5 | 1 0 | 740 | ... | 68·37 | 209 | 187 |
| d | Letterston (Trecwn House) | Superintending Engineer | 8 | 1 0 | 391 | ... | 52·68 | ... | ... |
| | **CARDIGANSHIRE. (Area, 688 sq. mi.)** | | | | | | | | |
| | **1.—DOVEY. 20 sq. mi.** | | | | | | | | |
| | **2.—YSTWYTH & C. 347 sq. mi.** | | | | | | | | |
| D | Borth | Messrs. Howe & Yates** | 5 | 1 0 | 15 | ... | 35·60 | 173 | 141 |
| D | ABERPORTH (+A) | Meteorological Office | 5 | 1 0 | 376 | ... | 42·40 | 205 | 155 |
| M | Llanafan (Blaenddol) | R. Roberts, Esq., for M.O. | ... | ... | 500 | ... | 49·90 | ... | ... |
| D | TRAWSCOED | Farm Director, E.H.F. | 5 | 1 0 | 200 | ... | 42·94 | 204 | 168 |
| D | ABERYSTWYTH (P.B.S.) | Director, Plant Breeding Stn. | 5 | 1 0 | 452 | ... | 37·41 | 227 | 141 |
| D | Talybont (LLETTY-EVAN-HEN) | Director, Plant Breeding Stn. | 5 | 1 0 | 950 | ... | 41·74 | 206 | 165 |
| d | §Afon Rheidol (Nant-y-moch) | Water Engineer, Aberystwyth | 5 | 1 0 | 1060 | ... | 68·61 | ... | 176 |
| M | §Plynlimon (Llygad Rheidol) *Higher g.* | Water Engineer, Aberystwyth | 5 | 1 0 | 1660 | ... | 73·98 | ... | ... |
| M | §Plynlimon (Llygad Rheidol) *Lower g.* | Water Engineer, Aberystwyth | 5 | 1 0 | 1650 | 87·0 | 75·69 | ... | ... |
| | **3.—TEIFI. 260 sq. mi.** | | | | | | | | |
| d | Llandyssul (Joyous Gard) : | I. T. Hughes, Esq., M.A.,J.P. | 5 | 1 0 | 425 | ... | 47·17 | 170 | 141 |
| d | Llandyssul (Sychpant Horeb) | J. A. Davies, Esq. | 5 | 1 0 | 341 | ... | 49·70 | ... | ... |
| D | Cardigan (Plas Llangoedmore) | D. Berrington Davies, Esq. | 5 | 1 0 | 120 | ... | 42·56 | 196 | 167 |
| | **4.—TOWY. 46 sq. mi.** | | | | | | | | |
| | **5.—WYE. 15 sq. mi.** | | | | | | | | |
| M | §Birmingham W.W. (Llyn Gynon) | C. A. Risbridger, Esq., C.E. | 5 | 1 0 | 1500 | 70·7 | 62·35 | ... | ... |
| M | §Birmingham W.W. (Bwlchyrhendre) | C. A. Risbridger, Esq., C.E. | 5 | 1 0 | 1585 | 67·4 | 62·15 | ... | ... |
| M | Birmingham W.W. (Claerddu) | C. A. Risbridger, Esq., C.E. | 5 | 1 0 | 1470 | 71·6 | 65·35 | ... | ... |
| M | Birmingham W.W. (Gwngu) | C. A. Risbridger, Esq., C.E. | 5 | 1 0 | 1490 | ... | (59·73) | ... | ... |
| D | §Birmingham W.W. (Abergwngu) | C. A. Risbridger, Esq., C.E. | 5 | 1 0 | 1150 | 67·1 | 63·16 | 238 | 180 |
| | **BRECKNOCKSHIRE. (Area, 733 sq. mi.)** | | | | | | | | |
| | **1.—TOWY. 17 sq. mi.** | | | | | | | | |
| | **2.—TAWE. 41 sq. mi.** | | | | | | | | |
| D | Swansea W.W. (Nantyrwydd) | T. Price, Esq., C.E. | 5 | 0 10 | 908 | ... | 72·19 | 215 | 201 |
| | **3.—NEATH. 48 sq. mi.** | | | | | | | | |
| D | Ystradfellte Reservoir | Engineer (Neath R.D.C.) | 5 | 1 0 | 1147 | 85·4 | 70·39 | 210 | 180 |
| | **4.—TAFF. 48 sq. mi.** | | | | | | | | |
| D | Aberdare (Nanthir Reservoir) | H. W. Crowther-Green, Esq. | 5 | 1 0 | 860 | 59·6 | 51·30 | 253 | 169 |
| D | Cardiff W.W. (Cefn-Coed-y-Cymmer) | G. W. Cover, Esq., C.E. | 5 | 1 0 | 790 | ... | 56·48 | 217 | 166 |
| D | Taf Fechan (Pontsticill) No. 12 (+A) | A. C. Quiningborough, Esq. | 5 | 1 0 | 1031 | 59·1 | 60·26 | 209 | 174 |
| D | Cardiff W.W. (LLWYNON Res.) (+A) | G. W. Cover, Esq., C.E. | 5 | 1 0 | 860 | 62·0 | 62·16 | 213 | 176 |
| W | Cardiff W.W. (Nant Ffynnon) | G. W. Cover, Esq., C.E. | 5 | 1 0 | 1352 | 73·2 | 73·01 | ... | ... |

§Turf wall round gauge. ** Under auspices of Survey Council for Rural Wales.

## DIVISION XI—MONMOUTHSHIRE, WALES, AND THE ISLANDS—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Height of Rim above Ground | Height of Ground above Sea Level | Average Rainfall | 1952 Rainfall | 1952 Days with ·01 in. or more | 1952 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | BRECKNOCKSHIRE—(*contd.*). | | *in.* | *ft.* *in.* | *ft.* | *in.* | *in.* | | |
| | 4.—TAFF—(*contd.*). | | | | | | | | |
| M | Cardiff W.W. (Garn Ddu) | G. W. Cover, Esq., C.E. | 5 | 1 0 | 1340 | 70·3 | 73·61 | ... | ... |
| d | Cardiff W.W. (Garw-nant) | G. W. Cover, Esq., C.E. | 5 | 1 0 | 1100 | 75·5 | 72·70 | ... | ... |
| W | Cardiff W.W. (Nant-Gwineu) | G. W. Cover, Esq., C.E. | 5 | 1 0 | 1200 | 67·5 | 70·90 | ... | ... |
| W | Cardiff W.W. (Cefn Gougarn) | G. W. Cover, Esq., C.E. | 5 | 1 0 | 1362 | 75·7 | 67·88 | ... | ... |
| W | Cardiff W.W. (Llysiog) | G. W. Cover, Esq., C.E. | 5 | 1 0 | 1080 | 68·7 | 69·25 | ... | ... |
| D | Taf Fechan (Pentwyn Res. S.) No. 15 | A. C. Quiningborough, Esq. | 5 | 1 0 | 1120 | 68·0 | 72·34 | 228 | 181 |
| M | Taf Fechan (Pentwyn Res. N.) No. 16 | A. C. Quiningborough, Esq. | 5 | 1 0 | 1090 | 66·5 | 70·85 | ... | ... |
| W | Cardiff W.W. (Twyn-Gareg) | G. W. Cover, Esq., C.E. | 5 | 1 0 | 1501 | 86·7 | 72·82 | ... | ... |
| D | Cardiff W.W. (Cantref Res.) | G. W. Cover, Esq., C.E. | 5 | 1 0 | 1120 | 69·9 | 68·06 | 226 | 187 |
| D | Cardiff W.W. (Beacons Res.) | G. W. Cover, Esq., C.E. | 5 | 1 0 | 1357 | 79·3 | 77·22 | 244 | 193 |
| W | Cardiff W.W. (Nant Penig) | G. W. Cover, Esq., C.E. | 5 | 1 0 | 2000 | 92·9 | 82·36 | ... | ... |
| D | Cardiff W.W. (Storey Arms Field) | G. W. Cover, Esq., C.E. | 5 | 1 0 | 1430 | 88·5 | 79·47 | 241 | 195 |
| W | Cardiff W.W. (Blaen Taf Fawr) | G. W. Cover, Esq., C.E. | 5 | 1 0 | 1675 | 85·7 | 81·87 | ... | ... |
| D | Taf Fechan (Neuadd Res.) No. 1 | A. C. Quiningborough, Esq. | 5 | 1 0 | 1462 | ... | 74·48 | 237 | 186 |
| D | Taf Fechan (Neuadd Res.) No. 1A | A. C. Quiningborough, Esq. | 5 | 1 0 | 1423 | ... | 76·80 | 237 | 188 |
| D | Taf Fechan (Neuadd Res.) No. 4 | A. C. Quiningborough, Esq. | 5 | 1 0 | 1487 | 83·0 | 76·46 | 238 | 189 |
| D | Taf Fechan (Neuadd Res.) No. 11A | A. C. Quiningborough, Esq. | 5 | 1 0 | 1520 | ... | 79·63 | 238 | 188 |
| M | Taf Fechan (Neuadd Res.) No. 2 | A. C. Quiningborough, Esq. | 5 | 1 0 | 1993 | ... | 80·30 | ... | ... |
| M | Taf Fechan (Neuadd Res.) No. 5 | A. C. Quiningborough, Esq. | 5 | 1 0 | 1515 | 83·3 | 84·72 | ... | ... |
| M | Taf Fechan (Neuadd Res.) No. 10 | A. C. Quiningborough, Esq. | 5 | 1 0 | 1700 | 72·7 | 79·55 | ... | ... |
| M | Taf Fechan (Neuadd Res.) No. 7 | A. C. Quiningborough, Esq. | 5 | 1 0 | 2017 | 92·2 | 82·90 | ... | ... |
| M | Taf Fechan (Neuadd Res.) No. 8 | A. C. Quiningborough, Esq. | 5 | 1 0 | 1723 | 87·4 | 82·22 | ... | ... |
| M | Taf Fechan (Neuadd Res.) No. 8A | A. C. Quiningborough, Esq. | 5 | 1 0 | 1780 | ... | 82·96 | ... | ... |
| M | Taf Fechan (Neuadd Res.) No. 6 | A. C. Quiningborough, Esq. | 5 | 1 0 | 2099 | 95·4 | 94·88 | ... | ... |
| | 5.—RHYMNEY. 2 sq. mi. | | | | | | | | |
| | 6.—EBBW. 7 sq. mi. | | | | | | | | |
| D | Ebbw Vale W.W. (Llangynidr) 1 | J. G. Hoskins, Esq. | 5 | 1 0 | 1413 | 58·8 | 62·74 | 204 | 177 |
| D | Ebbw Vale W.W. (Llangynidr) W3 | J. G. Hoskins, Esq. | 5 | 1 0 | 1468 | ... | 64·54 | 204 | 176 |
| D | Ebbw Vale W.W. (Llangynidr) NW2 | J. G. Hoskins, Esq. | 5 | 1 0 | 1471 | ... | 62·86 | 204 | 175 |
| D | Ebbw Vale W.W. (Carno, E.) | J. G. Hoskins, Esq. | 5 | 1 0 | 1391 | ... | 62·20 | 204 | 177 |
| D | Ebbw Vale W.W. (Carno, W.) | J. G. Hoskins, Esq. | 5 | 1 0 | 1412 | ... | 64·31 | 204 | 178 |
| D | Ebbw Vale W.W. (Carno, N.) | J. G. Hoskins, Esq. | 5 | 1 0 | 1491 | ... | 63·54 | 204 | 176 |
| | 7.—USK. 299 sq. mi. | | | | | | | | |
| D | Gilwern (Bryn-yr-Haul) | R. E. John, Esq. | 5 | 1 0 | 590 | ... | 53·92 | 199 | 166 |
| M | Torpantau (Darenfawr) | Newport Corporation | 5 | 1 0 | 1172 | 70·4 | 69·96 | ... | ... |
| M | Torpantau (Ynysposte) | Newport Corporation | 5 | 1 0 | 741 | 66·8 | 68·60 | ... | ... |
| M | Torpantau (Blaen-caer-fanell) | Newport Corporation | 5 | 1 0 | 1584 | 73·2 | 72·95 | ... | ... |
| D | Talybont (Ffynonwen) | Newport Corporation | 5 | 1 0 | 629 | 60·2 | 61·75 | 216 | 178 |
| M | Talybont (Pwll Ifor) | Newport Corporation | 5 | 1 0 | 1224 | 65·3 | 65·93 | ... | ... |
| D | Talybont (Filter House) | Newport Corporation | 5 | 1 0 | 554 | 56·0 | 57·90 | 210 | 163 |
| M | Talybont (Craig Pwllfa) | Newport Corporation | 5 | 0 7 | 1796 | 73·7 | 73·44 | ... | ... |
| D | Talybont (Tyle Clydach) | Newport Corporation | 5 | 0 11 | 709 | 55·8 | 58·14 | 208 | 155 |
| M | Talybont (Nant-y-Llanerch) | Newport Corporation | 5 | 1 0 | 1007 | 66·7 | 67·37 | ... | ... |
| D | Crickhowell (Glanusk Park) | Margaret Lady Glanusk | 5 | 1 0 | 290 | 43·7 | 46·33 | 193 | 155 |
| D | Crickhowell (Penmyarth) | Margaret Lady Glanusk | 5 | 1 0 | 330 | ... | 47·72 | 188 | 160 |
| M | Swansea W.W. (Cray Res.) No. 2 | T. Price, Esq., C.E. | 5 | 1 0 | 1019 | ... | 70·50 | ... | ... |
| D | Swansea W.W. (Cray Res.) No. 1 (+A) | T. Price, Esq., C.E. | 5 | 1 0 | 1043 | ... | 67·83 | 224 | 189 |
| M | Cray Post Office | J. A. Jones, Esq., for M.O. | 5 | 1 0 | 930 | 69·1 | 64·06 | ... | ... |
| D | Talybont (Ashford) | J. Henderson, Esq. | 5 | 1 0 | 360 | 45·6 | 48·84 | 193 | 157 |
| D | Llanfrynach (Ty-mawr) | Miss M. D. de Winton | 5 | 1 0 | 450 | ... | 50·53 | 181 | 166 |
| M | Crickhowell (Tal-y-maes) | Mrs. E. Jones, for M.O. | 5 | 1 0 | 1250 | 46·7 | 52·10 | ... | ... |
| D | Trecastle (Blaenau-hydfer) | Mr. M. Davies, for M.O. | 5 | 1 0 | 970 | 63·2 | 57·38 | 215 | 173 |
| D | Brecon (Tairbull School) | W. O. Davies, Esq. | 5 | 1 0 | 660 | 52·0 | 45·96 | 185 | 158 |

## DIVISION XI—MONMOUTHSHIRE, WALES, AND THE ISLANDS—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Height of Rim above Ground | Height of Ground above Sea Level | Average Rainfall | 1952 Rainfall | Days with ·01 in. or more | Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **BRECKNOCKSHIRE—(*contd.*).** | | *in.* | *ft.* *in.* | *ft.* | *in.* | *in.* | | |
| | 7.—USK—(*contd.*). | | | | | | | | |
| D | Brecon (Ffrwdgrech) ... ... ... | Capt. J. D. D. Evans ... | 5 | 1 0 | 560 | ... | 45·55 | 197 | 158 |
| D | Brecon (Waterworks) ... ... ... | Borough Engineer ... ... | 5 | 1 0 | 550 | ... | 44·57 | 206 | 168 |
| D | Black Mountains (Blaen-y-cwm) ... | W. Cory Goddard, Esq., C.E. | 5 | 1 0 | 1423 | 54·5 | 57·47 | 205 | 181 |
| D | Black M. (The Dam, Grwyne Fawr) | W. Cory Goddard, Esq., C.E. | 5 | 1 0 | 1787 | 56·0 | 57·24 | 205 | 181 |
| | 8.—WYE. 271 sq. mi. | | | | | | | | |
| D | Cathedine Rectory ... ... ... | Rev. H. J. Phillips, for M.O. | 5 | 1 6 | 650 | 38·3 | 39·41 | 200 | 145 |
| d | Felin Fach ... ... ... ... | Mrs. G. Griffiths* ... ... | 5 | 1 0 | 546 | ... | 39·48 | ... | 129 |
| D | Llanfillo (County School) ... ... | Headmistress* ... ... | 5 | 1 0 | 700 | ... | 37·71 | 187 | 161 |
| D | Talgarth (Maescoch) ... ... ... | F. T. Morgan, Esq. ... | 5 | 1 3 | 500 | *33·2* | 34·81 | 166 | 141 |
| D | Talgarth (South Wales Sanatorium) ... | Physician Superintendent ... | 5 | 1 0 | 500 | ... | 40·85 | 182 | 157 |
| W | Llanwrtyd Wells (Abernant) ... | T. A. Poole, Esq.* .. | 5 | 1 0 | 632 | 57·2 | 51·57 | ... | ... |
| D | Garth ... ... ... ... ... | T. A. Poole, Esq.* ... ... | 5 | 1 0 | 541 | ... | 47·40 | 211 | 173 |
| M | Abergwesyn (Trallwn) ... ... ... | D. I. Felix, Esq., for M.O. | 5 | 1 0 | 1000 | 75·5 | 65·20 | ... | ... |
| D | Beulah (Llwyn Madoc) ... ... | Cmdr. C. M. Evan-Thomas | 5 | 1 0 | 763 | ... | 55·44 | 236 | 192 |
| M | Llanafanfawr School ... ... ... | W. D. Swan, Esq. ... ... | 5 | 0 8 | 800 | ... | 51·85 | ... | ... |
| M | Llanfihangel (Llwyncynar) ... ... | J. Francis, Esq., for M.O.... | 5 | 1 0 | 745 | ... | 45·40 | ... | ... |
| D | Newbridge (Llysdinam) ... ... | Lady Venables Llewellyn ... | 5 | 1 3 | 646 | 41·2 | 41·19 | 199 | 160 |
| M | §Birmingham W.W. (Cors-yr-hwch) ... | C. A. Risbridger, Esq., C.E. | 5 | 1 0 | 1775 | 87·3 | 82·35 | ... | ... |
| M | §Birmingham W.W. (Esgair Ceiliog) | C. A. Risbridger, Esq., C.E. | 5 | 1 0 | 1560 | 77·3 | (76·31) | ... | ... |
| M | §Birmingham W.W. (Llyn-Carw) ... | C. A. Risbridger, Esq., C.E. | 5 | 1 0 | 1775 | 79·3 | (77·30) | ... | ... |
| M | §Birmingham W.W. (Nant-y-car) ... | C. A. Risbridger, Esq., C.E. | 5 | 1 0 | 1545 | 76·5 | (71·74) | ... | ... |
| M | §Birmingham W.W. (Arban) ... ... | C. A. Risbridger, Esq., C.E. | 5 | 1 0 | 1500 | 73·2 | (73·90) | ... | ... |
| M | §Birmingham W.W. (Tyn-y-pant) ... | C. A. Risbridger, Esq., C.E. | 5 | 1 0 | 1320 | 62·0 | 58·53 | ... | ... |
| M | §Birmingham W.W. (Esgair Garthen) | C. A. Risbridger, Esq., C.E. | 5 | 1 0 | 1590 | 75·5 | (72·15) | ... | ... |
| D | Birmingham W.W. (Elan Village) ... | C. A. Risbridger, Esq., C.E. | 5 | 1 0 | 700 | 54·4 | 53·00 | 236 | 167 |
| | **RADNORSHIRE. (Area, 474 sq. mi.)** | | | | | | | | |
| | 1.—WYE. 424 sq. mi. | | | | | | | | |
| D | Glasbury-on-Wye ... ... ... | R. A. Bufton, Esq. ... ... | 5 | 1 0 | 270 | ... | 37·51 | 174 | 146 |
| D | Llyswen (Llanstephan House Gdns.)... | Lady Milford ... ... | 5 | 1 3 | 440 | ... | 45·18 | 184 | 170 |
| D | Erwood (Cwrt Gwenddwr)† ... ... | Mr. J. E. Bufton* ... ... | 5 | 1 0 | 407 | ... | 43·79 | 209 | 166 |
| D | Hay (Llanbwchllyn, Lower) ... ... | Painscastle R.D.C. ... ... | 5 | 1 0 | 985 | ... | (41·18) | 183 | 155 |
| M | Hay (Llanbwchllyn, Upper) ... ... | Painscastle R.D.C. ... ... | 5 | 1 0 | 1400 | ... | (42·45) | ... | ... |
| D | Newchurch ... ... ... ... | F. E. Lloyd, Esq.* ... ... | 5 | 1 0 | 801 | ... | 39·74 | 194 | 153 |
| D | §Builth (Cefndyrys) ... ... ... | Capt. E. A. Thomas ... | 5 | 1 0 | 740 | 41·5 | 39·16 | 195 | 167 |
| d | Llansaintfraed-in-Elvel ... ... | W. J. Jones, Esq.* ... ... | 5 | 1 0 | 673 | 38·7 | 35·89 | ... | ... |
| | Llanfihangel-nant-Melan ... ... | J. C. B. Slater, Esq.* ... | 5 | 1 0 | 985 | ... | 40·11 | ... | ... |
| D | New Radnor (Harpton Court Gdns.)... | Sir Henry Duff Gordon, Bt. | 5 | 0 6 | 700 | 43·8 | 40·98 | 190 | 151 |
| d | New Radnor Rectory ... ... ... | Rev. W. R. Morris ... | 5 | 1 0 | 985 | ... | 40·37 | ... | ... |
| D | Presteign (Evancoyd) ... ... ... | Major C. J. L. Lewis ... | 5 | 1 0 | 744 | ... | 36·41 | 206 | 148 |
| D | LLANDRINDOD WELLS (The Common) | Clerk to the U.D.C. ... | 5 | 1 0 | 772 | ... | 37·85 | 208 | 163 |
| D | Cascob (Forester's Lodge) ... ... | Forestry Commission ... | 5 | 1 0 | 1000 | ... | 47·10 | 194 | 165 |
| D | §Birmingham W.W. (Tyrmynydd) ... | C. A. Risbridger, Esq., C.E. | 5 | 1 0 | 832 | 62·1 | 56·45 | 246 | 178 |
| D | Birmingham W.W. (Ciloerwynt) ... | C. A. Risbridger, Esq., C.E. | 5 | 1 0 | 1045 | ... | 60·78 | 250 | 194 |
| D | Birmingham W.W. (Nantgwillt) ... | C. A. Risbridger, Esq., C.E. | 5 | 1 0 | 840 | 63·2 | 55·79 | 244 | 177 |
| M | §Birmingham W.W. (Esgair Gader) 2 | C. A. Risbridger, Esq., C.E. | 5 | 1 0 | 1500 | 67·3 | (64·86) | ... | ... |
| M | Birmingham W.W. (Tynllidiart) ... | C. A. Risbridger, Esq., C.E. | 5 | 1 0 | 1006 | 62·9 | 61·41 | ... | ... |
| M | §Birmingham W.W. (Claerwen) ... | C. A. Risbridger, Esq., C.E. | 5 | 1 0 | 1250 | 67·7 | (61·59) | ... | ... |
| D | §Birmingham W.W. (Tynant) ... ... | C. A. Risbridger, Esq., C.E. | 5 | 1 0 | 1020 | 64·3 | 63·01 | 253 | 190 |
| D | §RHAYADER ... ... ... ... | R. Ashton, Esq., for M.O. | 5 | 1 0 | 757 | 47·0 | 45·32 | 209 | 170 |
| D | Rhayader (East Street) ... ... | R. Ashton, Esq. ... ... | 5 | 1 0 | 700 | 49·2 | 45·61 | 206 | 168 |
| d | Llanddewi-Ystradenny ... ... | J. E. Price, Esq.* ... ... | 5 | 1 0 | 767 | ... | 37·96 | ... | ... |
| M | §Birmingham W.W. (Cerigllwydion) ... | C. A. Risbridger, Esq., C.E. | 5 | 1 0 | 1710 | 72·4 | (67·40) | ... | ... |

* *Per* Wye River Board. † Formerly called Erwood (Bridgend). § Turf wall round gauge.

## DIVISION XI—MONMOUTHSHIRE, WALES, AND THE ISLANDS—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Height of Rim above Ground | Height of Ground above Sea Level | Average Rainfall | 1952 Rainfall | Days with ·01 in. or more | Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **RADNORSHIRE—(*contd.*).** | | *in.* | *ft.* | *in.* *ft.* | *in.* | *in.* | | |
| | **1.—WYE.—(*contd.*).** | | | | | | | | |
| M | §Birmingham W.W. (Pen-y-gareg) 1 | C. A. Risbridger, Esq., C.E. | 5 | 1 | 0 1500 | ... | (55·46) | ... | ... |
| M | §Birmingham W.W. (Pen-y-gareg) 2 | C. A. Risbridger, Esq., C.E. | 5 | 1 | 0 1540 | ... | 54·90 | ... | ... |
| M | Birmingham W.W. (Bryn Hir) | C. A. Risbridger, Esq., C.E. | 5 | 1 | 0 1470 | 74·2 | 68·55 | ... | ... |
| M | Birmingham W.W. (Abercaethon) | C. A. Risbridger, Esq., C.E. | 5 | 1 | 0 1240 | 67·1 | (62·81) | ... | ... |
| M | §Birmingham W.W. (Calettwr) | C. A. Risbridger, Esq., C.E. | 5 | 1 | 0 1490 | 72·5 | (66·39) | ... | ... |
| D | Abbey Cwmhir (The Hall) | Col. J. L. Philips | 5 | 0 | 10 877 | ... | 41·02 | 173 | 147 |
| d | Llangunllo | H. Kendrick, Esq.* | 5 | 1 | 0 776 | ... | 41·32 | ... | ... |
| M | §Birmingham W.W. (Figin) 2 | C. A. Risbridger, Esq., C.E. | 5 | 1 | 0 1700 | 81·3 | (73·85) | ... | ... |
| M | Birmingham W.W. (Aberhenllan) | C. A. Risbridger, Esq., C.E. | 5 | 1 | 0 1070 | 64·8 | (61·93) | ... | ... |
| M | Llanbister (Llananno) | Mrs. A. Jones, for M.O. | 5 | 1 | 0 900 | 45·1 | 45·00 | ... | ... |
| D | St. Harmons | J. Hope, Esq.* | 5 | 1 | 0 918 | ... | 42·01 | 194 | 157 |
| D | Llanbadarn-fynydd | Mr. P. A. Stephens* | 5 | 1 | 0 974 | ... | 40·76 | 229 | 170 |
| D | Rhayader (Glyn Gwy) | Mrs. Redwood | 5 | 1 | 0 822 | ... | 48·14 | 216 | 170 |
| D | St. Harmons (Pen-Ithon) | Mrs. L. O. Morris* | 5 | 1 | 0 1200 | ... | 39·83 | 219 | 165 |
| | **2.—SEVERN. Right Bank Tributaries. 50 sq. mi.** | | | | | | | | |
| | **MONTGOMERYSHIRE. (Area, 797 sq. mi.)** | | | | | | | | |
| | **1.—DOVEY. 120 sq. mi.** | | | | | | | | |
| | Machynlleth (Aberhosan) | Messrs. Howe and Yates** | 5 | 1 | 0 425 | ... | 56·42 | ... | ... |
| D | Machynlleth (Darowen) | Messrs. Howe and Yates** | 5 | 1 | 0 625 | ... | 49·65 | 210 | 164 |
| D | Machynlleth (Cemmaes) | Messrs. Howe and Yates** | 5 | 1 | 0 70 | ... | 52·02 | 207 | 169 |
| W | Corris (Ceinws Camp) | Forestry Commission | 5 | 0 | 11 246 | ... | 74·40 | 216 | 172 |
| | **2.—YSTWYTH. 7 sq. mi.** | | | | | | | | |
| | **3.—WYE. 37 sq. mi.** | | | | | | | | |
| D | Birmingham W.W. (Bod-Talog) | C. A. Risbridger, Esq., C.E. | 5 | 1 | 0 1250 | 65·8 | 65·06 | 221 | 190 |
| | Birmingham W.W. (Glan-Fedwen) | C. A. Risbridger, Esq., C.E. | 5 | 1 | 0 1375 | 67·7 | 66·58 | ... | ... |
| d | Llangurig (Manod) | Capt. M. Bennett-Evans* | 5 | 1 | 0 1050 | ... | 76·39 | ... | ... |
| | **4.—SEVERN. Right Bank Tributaries. 154 sq. mi.** | | | | | | | | |
| D | Llanidloes (Hillfield) | G. E. Edwards, Esq. | 5 | 1 | 6 550 | ... | 38·53 | 192 | 152 |
| D | Newtown (Mochdre Reservoir) | Surveyor | 5 | 0 | 9 650 | ... | 38·22 | 192 | 149 |
| d | Hafren Nursery | Forestry Commission† | 5 | 1 | 0 1200 | ... | 63·03 | ... | 158 |
| M | Clywedog (Cwm Biga) | Montgomery County Council | 5 | 1 | 0 1015 | ... | 71·80 | ... | ... |
| d | Clywedog (Aber Biga) | Montgomery County Council | 5 | 1 | 0 900 | ... | 57·16 | ... | ... |
| M | Clywedog (Hafod Cadwgan) | Montgomery County Council | 5 | 1 | 0 1150 | ... | 74·20 | ... | ... |
| M | Clywedog (Dol Bachog) | Montgomery County Council | 5 | 1 | 0 1030 | ... | 58·20 | ... | ... |
| d | Newtown (Penarth Weir) | Docks & Inland Waterways | 8 | 1 | 0 321 | 35·0 | 36·10 | ... | ... |
| D | Newtown (Gregynog Hall Gardens) | G. C. Austin, Esq. | 5 | 1 | 0 650 | ... | 34·79 | 206 | 152 |
| | **5.—SEVERN. Left Bank Tributaries. 479 sq. mi.** | | | | | | | | |
| D | Berriew (Brithdir Hall) | Mrs. F. E. Marston | 5 | 1 | 0 350 | 30·7 | 31·65 | 189 | 153 |
| D | Welshpool (County School) | Headmaster | 5 | 1 | 0 254 | 30·1 | 27·12 | 192 | 134 |
| D | Welshpool (Fron Llwyd) | Col. G. B. D. Harrison | 5 | 1 | 3 500 | 33·7 | 32·17 | 164 | 141 |
| M | Gam (Cwm Derwen) | Montgomery County Council | 5 | 1 | 0 960 | ... | 55·70 | ... | ... |
| D | Gam (Abercannon Farm) | Montgomery Council County | 5 | 1 | 0 800 | ... | 62·16 | 218 | 178 |
| | Gam (Afon Cannon) | Montgomery County Council | 5 | 1 | 0 1120 | ... | 59·21 | ... | ... |
| D | Llanymynech (Penrhos Vicarage) | Rev. W. Griffith | 5 | 1 | 0 300 | ... | 31·70 | 196 | 138 |
| d | Twrch (Dol y Gaseg) | Montgomery County Council | 5 | 1 | 0 810 | ... | 62·62 | ... | ... |
| M | Twrch (Cerniau) | Montgomery County Council | 5 | 1 | 0 1160 | ... | 69·26 | ... | ... |
| M | Afon Twrch | Montgomery County Council | 5 | 1 | 0 1390 | ... | 69·00 | ... | ... |

* *Per* Wye River Board.
§ Turf wall round gauge.
**Under auspices of Survey Council for Rural Wales.
† *Per* Montgomery County Council.

## DIVISION XI—MONMOUTHSHIRE, WALES, AND THE ISLANDS—(*contd.*)

| | STATIONS | | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1952 Rainfall | 1952 Days with ·01 in. or more | 1952 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|---|
| | MONTGOMERYSHIRE—(*contd.*). | | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | 5.—SEVERN—(*contd.*). | | | | | | | | | |
| d | Llanfyllin (Penllwyn) | | Major J. E. M. Dugdale | 5 | 0 7 | 649 | 40·4 | 36·29 | ... | ... |
| M | Lake Vyrnwy (Cownwy Dam) | | Liverpool Corpn. W.W. | 8 | 1 0 | 929 | 55·7 | 56·80 | ... | ... |
| W | Llanymynech (White Rock) | | J. Moon, Esq. | 5 | 1 0 | 350 | ... | 26·20 | ... | ... |
| | Lake Vyrnwy (Hen Gerig) | | Liverpool Corpn. W.W. | 5 | 1 0 | 1230 | 71·7 | 73·10 | ... | ... |
| | Lake Vyrnwy (Bryn Gwyn) | | Liverpool Corpn. W.W. | 8 | 1 0 | 1311 | *56·7* | 62·85 | ... | ... |
| D | LAKE VYRNWY (Experimental Stn.) | (+A) | Liverpool Corpn. W.W. | 5 | 1 0 | 995 | 55·5 | 57·75 | 226 | 170 |
| M | Lake Vyrnwy (Fron Goch) | | Liverpool Corpn. W.W. | 8 | 1 0 | 835 | ... | 61·47 | ... | ... |
| | Lake Vyrnwy (Ty Uchaf) | | Liverpool Corpn. W.W. | 8 | 1 0 | 860 | 58·1 | 61·75 | ... | ... |
| M | Lake Vyrnwy (Heol-y-ffridd) | No. 1 | Liverpool Corpn. W.W. | 8 | 1 0 | 913 | ... | 69·90 | ... | ... |
| M | Lake Vyrnwy (Heol-y-ffridd) | No. 2 | Liverpool Corpn. W.W. | 8 | 1 0 | 830 | ... | 69·47 | ... | ... |
| M | Lake Vyrnwy (Tyn-y-ffridd) | | Liverpool Corpn. W.W. | 8 | 1 0 | 1010 | ... | 58·61 | ... | ... |
| M | Lake Vyrnwy (Lluestwen) | No. 2 | Liverpool Corpn. W.W. | 8 | 1 0 | 1620 | ... | 74·21 | ... | ... |
| M | Lake Vyrnwy (Llwynrhiw) | | Liverpool Corpn. W.W. | 8 | 1 0 | 1428 | ... | 75·17 | ... | ... |
| | Lake Vyrnwy (Nant Cawell) | | Liverpool Corpn. W.W. | 5 | 1 0 | 1610 | 77·4 | 76·91 | ... | ... |
| | §Lake Vyrnwy (Hirnant) | | Liverpool Corpn. W.W. | 8 | 1 0 | 766 | ... | 53·73 | ... | ... |
| M | Lake Vyrnwy (Eunant Bridge) | | Liverpool Corpn. W.W. | 5 | 1 0 | 830 | ... | 67·32 | ... | ... |
| M | Lake Vyrnwy (Gadfa) | | Liverpool Corpn. W.W. | 5 | 1 0 | 1521 | 81·4 | 82·68 | ... | ... |
| M | Lake Vyrnwy (Carreg Goch) | | Liverpool Corpn. W.W. | 8 | 1 0 | 1780 | 66·1 | 66·75 | ... | ... |
| M | Lake Vyrnwy (Rhiwargor) | | Liverpool Corpn. W.W. | 5 | 1 0 | 860 | ... | 63·07 | ... | ... |
| M | Lake Vyrnwy (Hen Eglwys) | | Liverpool Corpn. W.W. | 5 | 1 0 | 1420 | ... | 68·10 | ... | ... |
| M | Lake Vyrnwy (Stone) | | Liverpool Corpn. W.W. | 5 | 1 0 | 1499 | 72·2 | 67·56 | ... | ... |
| M | §Lake Vyrnwy (Fawnog) | | Liverpool Corpn. W.W. | 8 | 1 0 | 1315 | 55·7 | 60·45 | ... | ... |
| | Lake Vyrnwy (Pennant Melangell) | | Liverpool Corpn. W.W. | 8 | 1 0 | 660 | ... | 56·19 | ... | ... |
| | Lake Vyrnwy (Erw Berfedd) | | Liverpool Corpn. W.W. | 5 | 1 0 | 1800 | ... | 73·73 | ... | ... |
| d | Pen-y-bont (Rhiwlas) | | Liverpool Corpn. W.W. | 5 | 1 0 | 748 | ... | 43·43 | ... | ... |
| | **FLINTSHIRE. (Area, 256 sq. mi.)** | | | | | | | | | |
| | **1.—DEE. 198 sq. mi.** | | | | | | | | | |
| D | Hanmer (Gredington) | | Lady Kenyon | 5 | 1 0 | 300 | 30·4 | 27·24 | 172 | 135 |
| D | HAWARDEN Airfield | (+A) | Meteorological Office | 5 | 1 0 | 15 | ... | 26·23 | 181 | 141 |
| D | Mold (Mount Pleasant) | | W. K. Lewis, Esq., C.E. | 5 | 1 0 | 503 | ... | 33·34 | 179 | 152 |
| D | Cilcain (No. 2 Reservoir) | | Hawarden & Dist. W.W. Co. | 5 | 1 0 | 785 | ... | 33·55 | 197 | 151 |
| W | Cilcain (No. 4 Reservoir) | | Hawarden & Dist. W.W. Co. | 5 | 1 0 | 900 | ... | 32·86 | ... | ... |
| D | Northop (Soughton Hall) | | R. W. Bankes, Esq. | 5 | 1 0 | 418 | 32·1 | 31·33 | 181 | 144 |
| D | Cilcain (Cilcen Hall) | | Miss W. Yates | 5 | 0 9 | 700 | 29·7 | 32·16 | 169 | 143 |
| D | Connah's Quay (Mold Road) | | W. K. Lewis, Esq., C.E. | 5 | 1 0 | 43 | ... | 27·77 | 186 | 137 |
| D | Connah's Quay (Pengwladys) | | W. K. Lewis, Esq., C.E. | 5 | 1 0 | 231 | ... | 28·17 | 186 | 140 |
| D | HAWARDEN BRIDGE | | Messrs. J. Summers & Sons | 8 | 1 0 | 17 | 24·3 | 26·67 | 175 | 137 |
| d | Halkyn (Bryn Awel) | | Halkyn District Mines, Ltd. | 5 | 0 7 | 870 | ... | 32·21 | ... | ... |
| D | Mostyn | | Darwen & Mostyn Iron Co. Ltd. | 5 | 3 2 | 15 | ... | 28·49 | 166 | 136 |
| | **2.—CLWYD. 51 sq. mi.** | | | | | | | | | |
| D | Bodfari (Nantlys) | | A. D. H. Pennant, Esq. | 5 | 1 5 | 178 | 27·4 | 26·14 | 172 | 133 |
| D | Dyserth (Penlee) | | L. Wilson, Esq. | 5 | 1 0 | 260 | ... | 23·99 | 178 | 126 |
| D | RHYL (Westbourne Avenue) | (+A) | Urban District Council | 8 | 1 0 | 31 | 25·8 | 22·40 | 163 | 122 |
| D | PRESTATYN | | Urban District Council | 5 | 1 0 | 18 | ... | 22·85 | 158 | 126 |
| | **3.—SEVERN. Left Bank Tributaries. 7 sq. mi.** | | | | | | | | | |
| | **DENBIGHSHIRE. (Area, 668 sq. mi.)** | | | | | | | | | |
| | **1.—DEE. 278 sq. mi.** | | | | | | | | | |
| D | Chirk Castle Gardens | | Mr. E. Jones | 5 | 1 0 | 630 | ... | 35·08 | 172 | 147 |

§ Turf wall round gauge.

## DIVISION XI—MONMOUTHSHIRE, WALES, AND THE ISLANDS—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1952 Rainfall | 1952 Days with ·01 in. or more | 1952 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **DENBIGHSHIRE—(*contd.*).** | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **1.—DEE—(*contd.*).** | | | | | | | | |
| D | Chirk (Old Vicarage) | Miss J. B. Jagger | 5 | 1 0 | 350 | ... | 34·44 | 170 | 140 |
| D | Llangollen (Vivod) | Mrs. Best | 5 | 1 0 | 640 | ... | 38·13 | 193 | 152 |
| D | Ruabon (Trevor Hall) | E. Lloyd Edwards, Esq. | 5 | 1 2 | 500 | 34·3 | 36·18 | 194 | 156 |
| M | Wrexham W.W. (Mountain Lodge) | Engineer | 8 | 0 9 | 1100 | ... | 36·42 | ... | ... |
| D | Wrexham W.W. (Ty Mawr Res.) | Engineer | 5 | 0 9 | 805 | *39·1* | 37·25 | 185 | 140 |
| D | Wrexham W.W. (Pack Saddle Res.) | Engineer | 5 | 0 9 | 370 | 32·0 | 35·62 | 192 | 147 |
| D | Wrexham W.W. (Cae Llwyd Res.) | Engineer | 8 | 0 9 | 918 | *41·1* | 37·42 | 191 | 143 |
| M | Wrexham W.W. (World's End) | Engineer | 5 | 1 0 | 1573 | ... | 41·21 | ... | ... |
| | §Wrexham W.W. (Erwau) | Engineer | 5 | 1 0 | 1160 | ... | 40·74 | ... | ... |
| M | Wrexham W.W. (Gwter Siani) | Engineer | 5 | 1 0 | 1503 | ... | 41·00 | ... | ... |
| M | Wrexham W.W. (Abersychnant) | Engineer | 5 | 1 0 | 1370 | ... | 40·76 | ... | ... |
| M | Wrexham W.W. (Minera) | Engineer | 5 | 0 9 | 1400 | ... | 38·92 | ... | ... |
| D | Wrexham (Salisbury Park) | S. E. Ashmore, Esq. | 5 | 1 0 | 283 | ... | 30·08 | 185 | 139 |
| D | WREXHAM (Grove Park School) (+A) | S. E. Ashmore, Esq. | 5 | 1 0 | 273 | ... | 29·54 | 185 | 144 |
| D | Pendinas Reservoir | Brymbo Water Co. | 5 | 1 0 | 1249 | ... | 38·42 | 203 | 162 |
| D | BWLCHGWYN | S. E. Ashmore, Esq. | 5 | 1 0 | 1267 | ... | 40·16 | 210 | 170 |
| D | Nantyffrith Reservoir | Brymbo Water Co. | 5 | 0 6 | 1040 | ... | 37·48 | 206 | 167 |
| D | Llanfihangel-glyn-myfyr | W. K. Lewis, Esq., C.E. | 5 | 1 0 | 898 | 43·7 | 40·12 | 210 | 167 |
| D | River Alwen (Alwen Filter House) | W. K. Lewis, Esq., C.E. | 5 | 1 0 | 1100 | 46·4 | 46·66 | 229 | 181 |
| D | River Alwen (Alwen Dam) | W. K. Lewis, Esq., C.E. | 5 | 1 0 | 1189 | 49·1 | 49·75 | 230 | 184 |
| D | River Alwen (Hafod-y-llan-isaf) | W. K. Lewis, Esq., C.E. | 5 | 1 0 | 1180 | ... | 48·00 | 230 | 184 |
| W | Pentre Voelas (Nant Heilyn) | W. K. Lewis, Esq., C.E. | 5 | 1 0 | 1225 | ... | 49·52 | ... | ... |
| | River Brenig (Hafod-yr-onen) | W. K. Lewis, Esq., C.E. | 5 | 1 0 | 1175 | ... | 48·66 | ... | ... |
| M | Nantglyn (Pant-y-maen) | W. K. Lewis, Esq., C.E. | 8 | 1 0 | 1320 | 50·3 | 51·72 | ... | ... |
| M | Llyn Brân | W. K. Lewis, Esq., C.E. | 8 | 1 0 | 1428 | 52·1 | 50·14 | ... | ... |
| | **2.—CLWYD & C. 267 sq. mi.** | | | | | | | | |
| d | Llanferres (Coed Clwyd Forest) | Forestry Commission | 5 | 0 8 | 900 | ... | 35·19 | ... | ... |
| D | Clawdd-newydd No. 2 | W. K. Lewis, Esq., C.E. | 5 | 1 0 | 983 | 37·5 | 36·89 | 194 | 170 |
| D | Clawdd-newydd (Foel Fach) | Forestry Commission | 5 | 0 8 | 1000 | ... | 37·38 | 209 | 178 |
| | Ruthin (Corwen Road) | W. K. Lewis, Esq., C.E. | 5 | 1 0 | 234 | ... | 30·20 | ... | ... |
| | Llyn Aled | J. Round, Esq., A.M.I.C.E. | 5 | 1 6 | 1228 | ... | 45·74 | ... | ... |
| D | Ruthin (Bwlch Tunnel) | W. K. Lewis, Esq., C.E. | 5 | 1 0 | 908 | ... | 31·31 | 237 | 170 |
| | Llyn Aled (Moel-y-Bryniau) | J. Round, Esq., A.M.I.C.E. | 5 | 1 4 | 1250 | ... | 46·19 | ... | ... |
| D | Denbigh (Mental Hospital) | Clerk & Steward | 5 | 1 0 | 316 | ... | 32·83 | 174 | 149 |
| D | †Llangwyfan (Hospital) | Hospital Secretary | 5 | 1 0 | 460 | ... | 28·04 | 203 | 148 |
| D | Denbigh (Henllan) | H. Wilson, Esq. | 5 | 1 0 | 460 | ... | 29·05 | 195 | 145 |
| M | Llannefydd (Dolwen Res., South) | J. Round, Esq., A.M.I.C.E. | 5 | 1 0 | 600 | ... | 31·04 | ... | ... |
| M | Llannefydd (East) | J. Round, Esq., A.M.I.C.E. | 5 | 1 0 | 570 | ... | 31·21 | ... | ... |
| D | Llannefydd (Glascoed Filter Station) | J. Round, Esq., A.M.I.C.E. | 5 | 1 0 | 360 | ... | 31·58 | 191 | 152 |
| D | COLWYN BAY (Eirias Park) | Borough Surveyor | 5 | 1 0 | 118 | 31·1 | 30·30 | 186 | 148 |
| | **3.—CONWAY. 4 sq. mi.** | | | | | | | | |
| D | Pentre Voelas (Voelas Hall) | Col. J. C. Wynne Finch | 5 | 1 3 | 640 | 53·2 | 49·14 | 208 | 182 |
| D | Tal-y-Cafn (Bodnant) | Lord Aberconway, C.B.E. | 5 | 1 0 | 170 | ... | 38·71 | 191 | 163 |
| | **4.—SEVERN. Left Bank Tributaries. 47 sq. mi.** | | | | | | | | |
| D | Llansilin (Penygwely Res.) | J. E. Taylor, Esq., C.E. | 5 | 1 0 | 1115 | ... | 41·63 | 186 | 154 |
| | **MERIONETHSHIRE. (Area, 661 sq. mi.)** | | | | | | | | |
| | **1.—DEE. 218 sq. mi.** | | | | | | | | |
| | Afon Twrch (Nant-y-barcut) | Capt. G. A. Wright, O.B.E. | 5 | 1 0 | 1091 | ... | 66·70 | ... | ... |
| d | Llanuwchllyn (Plas-deon) | Capt. G. A. Wright, O.B.E. | 5 | 1 0 | 555 | 60·5 | 46·55 | ... | ... |
| M | Cwm Hirnant (Maesafallen) | Capt. G. A. Wright, O.B.E. | 5 | 1 4 | 957 | 60·8 | 58·00 | ... | ... |

§ Turf wall round gauge. † Formerly N. Wales Sanatorium.

## DIVISION XI—MONMOUTHSHIRE, WALES, AND THE ISLANDS—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge: Diam. | Rain-gauge: Height of Rim above Ground | Rain-gauge: Height of Ground above Sea Level | Average Rainfall | 1952: Rainfall | 1952: Days with ·01 in. or more | 1952: Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **MERIONETHSHIRE—(*contd.*).** | | *in.* | *ft.* | *ft.* | *in.* | *in.* | | |
| | **1.—DEE.—(*contd.*).** | | | | | | | | |
| M | §Afon Lliw (Blaen Lliw Isaf) ... | ... Capt. G. A. Wright, O.B.E. | 5 | 1 | 1279 | 85·6 | 77·30 | ... | ... |
| D | Bala (Boys' Grammar School) | ... Capt. G. A. Wright, O.B.E. | 5 | 1 | 536 | ... | 46·65 | 198 | 158 |
| D | Llandrillo (Crogen) ... ... | ... H. Robertson, Esq.... ... | 8 | 1 | 530 | ... | 39·37 | 163 | 149 |
| M | §Trawsfynydd (Cwm Prysor) ... | ... British Electricity Authority | 5 | 1 | 1300 | 78·0 | 68·10 | ... | ... |
| d | Bala (Craig Nant) ... ... | ... Capt. G. A. Wright, O.B.E. | 5 | 1 | 1030 | 76·5 | 69·18 | ... | ... |
| | Derwen (Minffordd) ... ... | ... W. K. Lewis, Esq., C.E. ... | 5 | 1 | 971 | ... | 39·18 | ... | ... |
| | **2.—CLWYD. 7 sq. mi.** | | | | | | | | |
| | **3.—GLASLYN. 92 sq. mi.** | | | | | | | | |
| d | Harlech (Dorwyn) ... ... | ... R. F. Pearce, Esq. ... ... | 5 | 0 | 8 | 60 | ... | 36·83 | ... | ... |
| d | Harlech (Royal St. Davids Golf Club) | Secretary ... ... ... | 5 | 1 | 2 | 15 | ... | 35·79 | ... | ... |
| D | Harlech (Hendre) ... ... | ... E. H. Price, Esq., for M.O. | 5 | 1 | 0 | 750 | ... | 52·91 | 212 | 160 |
| M | Trawsfynydd (Cefn Gell-y-Cwm) | ... British Electricity Authority | 5 | 1 | 0 | 665 | ... | 60·81 | ... | ... |
| | Trawsfynydd (Tyn Twll) ... | ... British Electricity Authority | 5 | 1 | 3 | 750 | ... | (67·20) | ... | ... |
| M | Trawsfynydd (Darn Gae) ... | ... British Electricity Authority | 5 | 1 | 0 | 950 | 71·3 | (65·00) | ... | ... |
| d | Pandyrddrwyryd (Main Dam) | ... British Electricity Authority | 5 | 1 | 3 | 650 | ... | 60·61 | ... | ... |
| W | Tyddyn-y-Gareg (Hendre Mur) | ... British Electricity Authority | 5 | 1 | 3 | 660 | ... | 59·78 | ... | ... |
| D | Festiniog (Hafod Fawr) ... | ... Forestry Commission ... | 8 | 1 | 4 | 1000 | ... | 68·65 | 185 | 165 |
| D | Llyn Morwynion ... ... | ... Ffestiniog U.D.C. ... ... | 5 | 1 | 0 | 1320 | ... | 83·59 | 226 | 192 |
| D | Manod Ffestiniog ... ... | ... Ffestiniog U.D.C. ... ... | 5 | 1 | 0′ | 713 | ... | 80·80 | 234 | 201 |
| D | Blaenau Festiniog (Oakeley Quarry) ... | G. W. Humphreys, Esq. ... | 5 | 1 | 0 | 1100 | 106·5 | 92·76 | 192 | 178 |
| D | Blaenau Festiniog (Llechwedd Quarry) | Messrs. J. W. Greaves & Son | 5 | 1 | 0 | 700 | 101·1 | 89·33 | 204 | 176 |
| | **4.—MAWDDACH & C. 262 sq. mi.** | | | | | | | | |
| D | Towyn (Ynys-y-Maengwyn) ... | ... Mr. R. Jones ... ... | 5 | 1 | 0 | 14 | ... | 41·61 | 190 | 149 |
| D | Towyn (Bronffynnon) ... ... | ... Dr. T. Henry Jones ... | 5 | 1 | 0 | 180 | ... | 42·65 | 204 | 151 |
| D | BARMOUTH ... ... ... | ... Urban District Council ... | 5 | 1 | 0 | 10 | ... | 41·81 | 210 | 156 |
| | Dolgelley (Bronygader) ... | ... Lt.-Col. A. E. Jelf-Reveley | 5 | 1 | 0 | 200 | ... | 65·25 | ... | ... |
| D | Dolgelley (Borthwnog) ... | ... Col. C. W. H. Crichton ... | 5 | 1 | 0 | 5 | ... | 56·55 | 206 | 178 |
| d | Llanbedr (Llwyn) ... ... | ... A. Towers, Esq. ... ... | 5 | 1 | 6 | 50 | ... | 40·27 | ... | ... |
| | **5.—DOVEY. 82 sq. mi.** | | | | | | | | |
| D | Aberdovey (Plas Penhelig) ... | ... J. M. Howell, Esq., D.L. ... | 5 | 1 | 0 | 150 | ... | 41·52 | 209 | 158 |
| D | Pennal (Llwyn-Celyn) ... ... | ... Lt.-Col. M. V. le P. Trench | 5 | 1 | 0 | 30 | ... | 53·13 | 212 | 175 |
| d | Aberllefenni ... ... ... | ... Messrs. Howe and Yates** | 5 | 1 | 0 | 350 | ... | 73·18 | ... | ... |
| D | Aberangell (Gwynynd) ... | ... J. Norman Jones, Esq. ... | 5 | 0 | 10 | 450 | ... | 60·43 | 209 | 189 |
| D | Upper Corris ... ... ... | ... Messrs. Howe and Yates** | 5 | 1 | 0 | 650 | ... | 82·88 | 193 | 174 |
| D | Mallwyd (Llanymawddwy) ... | ... Messrs. Howe and Yates** | 5 | 1 | 0 | 500 | ... | 74·19 | 203 | 186 |
| D | Mallwyd (Penygeulan) ... ... | ... Messrs. Howe and Yates** | 5 | 1 | 0 | 550 | ... | 71·05 | 199 | 156 |
| | **6.—SEVERN. Left Bank Tributaries.** | | | | | | | | |
| | **CAERNARVONSHIRE. (Area, 572 sq. mi.)** | | | | | | | | |
| | **1.—BARDSEY ISLAND.** | | | | | | | | |
| | **2.—CONWAY & C. 146 sq. mi.** | | | | | | | | |
| D | Capel Curig (Glyn Curig) ... | ... W. S. Parrott, Esq., J.P. ... | 5 | 2 | 1 | 710 | 84·8 | 80·33 | 249 | 199 |
| | Lake Cowlyd (Capel Curig) ... | ... British Electricity Authority | 5 | 1 | 6 | 1400 | ... | 84·00 | ... | ... |
| | Lake Llugwy ... ... ... | ... British Electricity Authority | 5 | 1 | 0 | 1820 | 100·1 | 100·47 | ... | ... |
| | L. Cowlyd (Ffrith Garreg Wen) A. | ... Conway & Colwyn Bay W.Bd. | 5 | 1 | 0 | 1168 | ... | 86·48 | ... | ... |
| | ‖Lake Cowlyd (Ffrith Fawr) B. | ... Conway & Colwyn Bay W.Bd. | 5 | 1 | 0 | 1700 | ... | 90·86 | ... | ... |
| | Lake Cowlyd (Cowlyd) ... | ... British Electricity Authority | 5 | 1 | 0 | 1200 | 83·9 | 81·31 | ... | ... |
| d | Lake Eigiau (Dam Site) ... | ... British Electricity Authority | 5 | 1 | 5 | 1244 | ... | 75·94 | ... | ... |

**Under auspices of Survey Council for Rural Wales. ‖ Gauge over-exposed.

## DIVISION XI—MONMOUTHSHIRE, WALES, AND THE ISLANDS—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge: Diam. | Rain-gauge: Height of Rim above Ground | Rain-gauge: Height of Ground above Sea Level | Average Rainfall | 1952: Rainfall | 1952: Days with ·01 in. or more | 1952: Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | CAERNARVONSHIRE—(*contd.*). | | *in.* | *ft.* *in.* | *ft.* | *in.* | *in.* | | |
| | 2.—CONWAY & C.—(*contd.*). | | | | | | | | |
| W | Lanbedr-y-Cennin (Melynllyn) | J. A. Edwards, Esq., C.E.... | 5 | 1 0 | 2065 | ... | 110·13 | ... | ... |
| | Llanbedr-y-Cennin (Llyndulyn) | J. A. Edwards, Esq., C.E. | 8 | 1 6 | 1632 | 102·7 | 95·00 | ... | ... |
| | Llanbedr-y-Cennin (Plasdulyn) | J. A. Edwards, Esq., C.E. | 8 | 1 0 | 509 | ... | 49·12 | ... | ... |
| d | Conway (Mussel Tanks) ... | Min. of Agric. & Fisheries... | 5 | 1 0 | 50 | ... | 28·53 | 177 | 140 |
| | Deganwy (Y Berlfa) ... ... | Mrs. Willoughby Gardner | 5 | 1 0 | 35 | ... | 27·63 | ... | ... |
| D | LLANDUDNO (Cricket Ground) | Medical Officer of Health ... | 5 | 1 1 | 13 | 28·1 | 28·35 | 181 | 141 |
| | 3.—MENAI STRAITS. 221 sq. mi. | | | | | | | | |
| D | Edeyrn Tydweiliog (Cefnamwlch) | Col. W. H. Wynne Finch ... | 5 | 1 0 | 300 | ... | 36·46 | 166 | 143 |
| D | Madryn Castle (Farm School) | Principal ... ... ... | 8 | 1 3 | 278 | 39·0 | 35·55 | 175 | 125 |
| d | Edeyrn (Henfaes) ... ... | J. St. Bodfar Gruffydd, Esq. | 5 | 1 0 | 50 | ... | 32·51 | ... | ... |
| M | Nantlle (Dorothea Quarry) ... | Dorothea Slate Quarry Co. | 5 | 2 0 | 300 | ... | 53·25 | ... | ... |
| D | Bethesda (Penrhyn Quarries) ... | General Manager ... ... | 8 | 1 0 | 527 | *65·8* | 53·53 | 200 | 169 |
| D | Port Dinorwic (Vaynol) ... | Sir Michael Assheton-Smith | 5 | 0 8 | 100 | ... | 37·23 | 156 | 145 |
| D | ABER (University College Farm) | Professor of Agriculture ... | 5 | 1 0 | 60 | ... | 39·91 | 214 | 161 |
| D | Llanfairfechan (School House) | Surveyor, U.D.C. ... ... | 5 | 1 0 | 120 | 37·9 | 35·93 | 176 | 141 |
| D | Penmaenmawr (Treforris Road) | Mrs. E. H. Leonard ... | 5 | 1 2 | 160 | ... | 33·98 | 193 | 159 |
| | 4.—ERCH & C. 155 sq. mi. | | | | | | | | |
| D | Pwllheli (West End) ... ... | B. V. Howell, Esq. ... ... | 8 | 1 3 | 9 | ... | 31·96 | 175 | 146 |
| | 5.—GLASLYN. 50 sq. mi. | | | | | | | | |
| D | Beddgelert (Primary School) ... | Headmaster ... ... ... | 5 | 1 2 | 133 | 88·6 | 78·15 | 207 | 175 |
| | Beddgelert (Hafod Ruffydd) ... | T. W. Thomas, Esq. ... | 5 | 1 0 | 490 | ... | 82·40 | ... | ... |
| D | Snowdon (Cwm Dyli) 11 ... | British Electricity Authority | 5 | 1 0 | 310 | *117·9* | 124·06 | 235 | 208 |
| D | Snowdon (Cwm Dyli, Old Rd.) 14(+A) | British Electricity Authority | 5 | 0 10 | 325 | ... | 119·22 | 219 | 210 |
| M | Snowdon (Llewedd) 2 ... | British Electricity Authority | 5 | 1 3 | 1485 | ... | 129·70 | ... | ... |
| M | Snowdon (Delta) 7 ... ... ... | British Electricity Authority | 5 | 1 0 | 1435 | ... | 139·50 | ... | ... |
| M | Snowdon (Glaslyn) 3 ... ... ... | British Electricity Authority | 5 | 0 8 | 2050 | ... | (138·40) | ... | ... |
| M | Snowdon (Teryn) 1 ... ... ... | British Electricity Authority | 5 | 1 0 | 1080 | ... | 133·10 | ... | ... |
| d | Snowdon (Llydaw Intake) 10 ... | British Electricity Authority | 5 | 1 0 | 1480 | ... | 126·62 | ... | ... |
| W | Snowdon (L. Llydaw Copper Mine) 9... | British Electricity Authority | 5 | 1 5 | 1480 | ... | 132·43 | ... | ... |
| M | Snowdon (Grib Goch) 8 ... ... | British Electricity Authority | 5 | 1 3 | 2340 | ... | 146·10 | ... | ... |
| | ANGLESEY. (Area, 275 sq. mi.) | | | | | | | | |
| D | Bryn-siencyn (Trefarthen) ... ... | Miss E. Meyrick ... ... | 5 | 1 0 | 30 | ... | 31·49 | 178 | 143 |
| D | Newborough Forest ... ... ... | Forestry Commission ... | 5 | 0 9 | 5 | ... | 27·64 | 184 | 126 |
| D | Plas Cadnant ... ... ... ... | Mr. Speddy ... ... ... | 5 | 1 0 | 156 | ... | 40·02 | 169 | 140 |
| d | Llangefni (Glanaber) ... ... ... | M. Spencer Rogers, Esq., C.E. | 8 | 1 2 | 70 | ... | 36·79 | ... | ... |
| d | Llansadwrn (Treffos) ... ... ... | C. P. Vivian-Hampton, Esq. | 5 | 0 9 | 318 | ... | 43·25 | ... | ... |
| D | Llansadwrn (Gadlys Cottage) ... | A. E. C. Morgan, Esq., M.A. | 5 | 1 0 | 340 | ... | 41·13 | 224 | 153 |
| D | §HOLYHEAD (VALLEY Airfield) ... (+A) | Meteorological Office ... | 8 | 1 0 | 32 | ... | 30·61 | 176 | 132 |
| D | Llanerchymedd (Llwydiarth Esgob) ... | T. S. Bown, Esq. ... ... | 5 | 1 0 | 175 | 38·1 | 37·58 | 196 | 155 |
| D | Marian Glas (Old Parciau) ... ... | Capt. M. R. Macnab ... | 5 | 1 0 | 350 | ... | 40·43 | 189 | 150 |
| | Amlwch (Dyffryn Adda) ... ... | Mr. Senogles ... ... | 5 | 1 3 | 178 | 36·3 | 32·37 | 182 | 143 |
| d | Cemaes Bay (Waterworks) ... ... | Twrcelyn R.D.C. ... ... | 5 | 1 0 | 300 | ... | 32·09 | ... | ... |
| | ISLE OF MAN. (Area, 227 sq. mi.) | | | | | | | | |
| D | RONALDSWAY Airport ... ... (+A) | Meteorological Office ... | 5 | 1 0 | 55 | ... | 29·81 | 176 | 121 |
| D | Ballagawne Reservoir ... ... ... | T. C. Greenfield, Esq., B.Sc. | 5 | 1 0 | 365 | ... | 35·03 | 185 | 136 |
| W | Douglas (Cringle Reservoir) ... ... | T. C. Greenfield, Esq., B.Sc. | 5 | 1 0 | 500 | ... | 43·05 | ... | ... |
| D | DOUGLAS (Borough Cemetery) ... | Borough Surveyor ... ... | 5 | 1 0 | 284 | 41·2 | 39·17 | 179 | 141 |
| D | Douglas (Clypse Reservoir, Onchan)... | Water Engineer ... ... | 8 | 1 0 | 440 | 43·9 | 42·13 | 220 | 143 |

§Turf wall round gauge.

## DIVISION XI—MONMOUTHSHIRE, WALES, AND THE ISLANDS—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1952 Rainfall | 1952 Days with ·01 in. or more | 1952 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **ISLE OF MAN.**—(*contd.*). | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| D | West Baldwin Reservoir | Water Engineer | 5 | 1 0 | 475 | *55·7* | 54·97 | 206 | 154 |
| M | §Sulby Glen (Block Eary Dam) | T. C. Greenfield, Esq. B.Sc. | 5 | 1 6 | 620 | ... | 56·36 | ... | ... |
| | Maughold Head | Com'rs. of N. Lighthouses | 5 | 0 6 | 230 | ... | 33·45 | ... | ... |
| D | POINT OF AYRE | Lightkeeper, for M.O. | 8 | 1 0 | 30 | ... | 32·44 | 184 | 135 |
| | **CHANNEL ISLANDS.** (Area, 76 sq. mi.) | | | | | | | | |
| | **JERSEY.** 45 sq. mi. | | | | | | | | |
| D | St. Saviour's (Petit Ménage) | G. J. Robin, Esq. | 5 | 0 10 | 30 | ... | 41·62 | 187 | 140 |
| D | ST. HELIER (Harbour Office) | Greffier | 8 | 1 0 | 28 | ... | 39·52 | 172 | 134 |
| D | St. Helier (St. Louis Observatory) | (+A) Rev. Father C. Rey, S.J.* | 8 | 1 5 | 180 | *30·4* | 42·25 | 193 | 140 |
| D | St. Brelade (La Sergenté) | W. Benest, Esq.* | 5 | 1 4 | 194 | ... | 38·97 | 180 | 137 |
| D | La Colline (Gorey) | R. Burrow, Esq. | ... | ... | ... | ... | 43·51 | 182 | 140 |
| D | St. Peter's (Jersey Airport) | (+A) States of Jersey | 5 | 1 0 | 273 | ... | 40·83 | 188 | 138 |
| D | St. Lawrence (Beaumont Marsh) | R. Burrow, Esq. | 5 | 1 0 | 60 | ... | 48·03 | 177 | 149 |
| D | Millbrook Reservoir | R. Burrow, Esq. | 5 | 1 11 | 53 | ... | 45·22 | 184 | 143 |
| D | Mont au Prêtre (Belmont) | W. H. L. Ewart, Esq. C.B.E.* | 5 | 1 7 | 250 | ... | 46·44 | 188 | 151 |
| D | St. Ouen's Manor | Sir Guy Malet de Carteret* | ... | ... | ... | ... | 40·09 | 182 | 138 |
| D | Handois Reservoir | R. Burrow, Esq. | 5 | 1 0 | 272 | ... | 47·05 | 191 | 147 |
| D | Trinity (States Experimental Farm) | States of Jersey* | 5 | 0 10 | 340 | ... | 45·60 | 189 | 144 |
| D | St. Ouen (Vinchelez) | F. le Maistre, Esq.* | 5 | 0 11 | 260 | ... | 39·72 | 190 | 136 |
| | **GUERNSEY.** 25 sq. mi. | | | | | | | | |
| D | Haut Nez | W. H. Morgan, Esq. | 5 | 1 0 | 340 | ... | 37·65 | 172 | 136 |
| D | Kings Mills | W. H. Morgan, Esq. | 5 | 1 0 | 45 | ... | 36·31 | 168 | 127 |
| D | Les Quartiers | A. Higgs, Esq. | 5 | 1 2 | 50 | ... | 37·88 | 182 | 140 |
| D | GUERNSEY (STATES AIRPORT) | Commandant | 5 | 1 0 | 340 | ... | 39·33 | 191 | 140 |

# Scotland

## DIVISION XII—SOUTHERN COUNTIES

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | **WIGTOWNSHIRE.** (Area, 488 sq. mi.) | | | | | | | | |
| | **1.—LOCH RYAN.** 46 sq. mi. | | | | | | | | |
| D | Castle Kennedy (Lochinch) | The Earl of Stair | 5 | 1 0 | 85 | ... | 38·08 | 199 | 160 |
| | **2.—WESTERN GALLOWAY.** 44 sq. mi. | | | | | | | | |
| | Corsewall | Com'rs. of N. Lighthouses | 5 | 1 6 | 48 | ... | 29·72 | 195 | 140 |
| | **3.—LUCE BAY.** 186 sq. mi. | | | | | | | | |
| d | Port William (Monreith) | Monreith Estate Company | 5 | 1 0 | 145 | 38·5 | 32·39 | 160 | 126 |
| D | Stoneykirk (WEST FREUGH Airfield) | (+A) Meteorological Office | 5 | 1 0 | 52 | ... | 35·68 | 197 | 146 |
| W | Glenluce (Dunragit) | Dept. of Agriculture | 5 | 1 0 | 341 | ... | 38·79 | ... | ... |
| d | Glenluce (Camrie Reservoir) | Dept. of Agriculture | 5 | 1 2 | 323 | ... | 42·70 | ... | 144 |
| | **4.—CREE & WIGTOWN BAY.** 212 sq. mi. | | | | | | | | |
| D | Garlieston (Galloway House) | P. H. Fletcher, Esq. | 5 | 0 11 | 30 | 39·1 | 36·01 | 188 | 145 |
| D | Garlieston (Culderry) | Capt. A. Walmsley | 5 | 1 0 | 25 | ... | 34·20 | 180 | 139 |
| W | Kirkcowan (Craighlaw) | Mrs. S. R. Fleming-Hamilton | 5 | 1 0 | 300 | ... | 40·86 | ... | ... |
| D | Newton Stewart (Little Barraer) | H. P. Hawthorn, Esq. | 5 | 1 0 | 180 | 44·8 | 35·58 | 194 | 143 |
| D | Newton Stewart (Duncree) | Maj.-Gen. Sir Keith Stewart | 5 | 1 0 | 125 | ... | 36·38 | 191 | 143 |

§ Turf wall round gauge.

* *Per* R. Burrow, Esq.

## DIVISION XII—SOUTHERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1952 Rainfall | 1952 Days with ·01 in. or more | 1952 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **KIRKCUDBRIGHTSHIRE. (Area, 902 sq. mi.)** | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **1.—DOON. 16 sq. mi.** | | | | | | | | |
| M | Rig of Millmore | British Electricity Authority | 5 | 1 0 | 1450 | ... | 80·30 | ... | ... |
| | **2.—CREE & WIGTOWN BAY. 222 sq. mi.** | | | | | | | | |
| D | Borgue (Roberton) | J.Douglas Brown,Esq.,O.B.E. | 5 | 1 0 | 50 | ... | 33·53 | 185 | 139 |
| d | Kirroughtree Forest | Forestry Commission | 5 | 1 3 | 50 | ... | 44·61 | ... | ... |
| | **3.—DEE. 377 sq. mi.** | | | | | | | | |
| D | TONGLAND (Power Station) | British Electricity Authority | 5 | 1 0 | 69 | ... | 44·87 | 175 | 145 |
| D | Threave | Major A. F. Gordon | 5 | 1 0 | 275 | ... | 40·44 | 185 | 134 |
| d | Mossdale (Hensol) | The Marchioness of Ailsa | 8 | 1 0 | 200 | 51·7 | 43·98 | ... | 145 |
| d | Laggan of Dee | British Electricity Authority | 5 | 1 0 | 550 | ... | 53·67 | ... | ... |
| D | Clatteringshaws (Tunnel Intake) | British Electricity Authority | 5 | 1 0 | 600 | 70·5 | 57·97 | 217 | 168 |
| D | New Galloway (Wellwood) | W. McClure, Esq. | 5 | 1 0 | 232 | ... | 45·39 | 198 | 151 |
| D | Craigencallie | British Electricity Authority | 5 | 1 0 | 740 | 80·1 | 65·65 | 220 | 169 |
| | Loch Dee | British Electricity Authority | 5 | 1 0 | 806 | 81·5 | 70·46 | ... | ... |
| D | ‖Dalry (GLENLEE) | (+A) British Electricity Authority | 5 | 1 0 | 181 | ... | 50·23 | 199 | 156 |
| D | Dalry (Garroch) | Arthur Young, Esq. | 8 | 1 0 | 250 | 59·7 | 50·57 | 199 | 159 |
| D | Dalry (Creaganfois) | R. C. Hayward, Esq. | 5 | 1 0 | 410 | ... | 44·81 | 184 | 151 |
| D | Dalry (Forrest Lodge) | Mr. John G. Carruthers | 5 | 1 0 | 500 | 63·2 | 60·97 | 235 | 175 |
| D | Carsphairn (Fingland) | British Electricity Authority | 5 | 1 0 | 940 | 51·1 | 43·96 | 227 | 161 |
| D | Carsphairn (The Knowe) | J. A. Hunter, Esq. | 8 | 2 0 | 550 | ... | 49·43 | 184 | 153 |
| d | Carsphairn (Cornharrow) | British Electricity Authority | 5 | 1 0 | 810 | 53·6 | 49·62 | ... | ... |
| D | Carsphairn (Knockengarroch) | British Electricity Authority | 5 | 1 0 | 740 | 58·2 | 46·62 | 203 | 171 |
| D | Carsphairn Moor | British Electricity Authority | 5 | 1 0 | 790 | 65·6 | 53·17 | 208 | 170 |
| | **4.—URR & C. 196 sq. mi.** | | | | | | | | |
| d | Auchencairn (Daffin Cottage) | Mr. J. H. Milligan | 5 | 1 3 | 50 | ... | 42·88 | ... | ... |
| | Auchencairn (Torr House) | Thomas Ovens, Esq. | 5 | 1 0 | 50 | 47·1 | 43·83 | ... | ... |
| D | Castle Douglas (Corbieton) | Miss A. G. Biggar | 5 | 0 9 | 175 | ... | 40·20 | 158 | 134 |
| D | Chipperkyle | Miss Isobel Pollok-Morris | 5 | 1 6 | 310 | ... | 40·57 | 159 | 134 |
| | **5.—NITH & C. 91 sq. mi.** | | | | | | | | |
| D | Lochrutton (Dumfries Waterworks) | J. R. Whyte, Esq., C.E. | 5 | 1 0 | 273 | 44·0 | 39·94 | 195 | 141 |
| D | Glenkiln Reservoir | J. R. Whyte, Esq., C.E. | 5 | 1 0 | 450 | ... | 45·81 | 156 | 139 |
| | **DUMFRIESSHIRE. (Area, 1,074 sq. mi.)** | | | | | | | | |
| | **1.—CLYDE. Right Bank Tributaries. 5 sq. mi.** | | | | | | | | |
| M | Daer (Whiteholm) | M. S. Neilson, Esq., C.E. | 5 | 1 0 | 1360 | ... | 66·22 | ... | ... |
| | **2.—URR. 6 sq. mi.** | | | | | | | | |
| | **3.—NITH & C. 421 sq. mi.** | | | | | | | | |
| D | RUTHWELL (Comlongon Castle) | The Earl of Mansfield | 5 | 1 0 | 95 | 35·5 | 34·27 | 183 | 127 |
| D | §DUMFRIES (Crichton Royal Institute) | Physician Superintendent | 5 | 1 0 | 140 | 39·1 | 35·29 | 174 | 134 |
| D | Blackwood | T. H. Kennedy, Esq. | 5 | 1 6 | 100 | 41·1 | 34·21 | 177 | 135 |
| D | Maxwelton House | Maj. Gen. Sir J. E. Laurie, Bt. | 5 | 1 0 | 350 | ... | 36·22 | 179 | 139 |
| D | Kettleton | County Engineer | 5 | 1 0 | 640 | ... | 38·54 | 187 | 144 |
| M | §Corsehill | County Engineer | 5 | 1 0 | 1850 | ... | (77·74) | ... | ... |

‖ Gauge Sheltered. § Turf wall round gauge.

## DIVISION XII—SOUTHERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Height of Rim above Ground | Height of Ground above Sea Level | Average Rainfall | 1952 Rainfall | Days with ·01 in. or more | Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | DUMFRIESSHIRE—(*contd.*). | | *in.* | *ft.* *in.* | *ft.* | *in.* | *in.* | | |
| | **3.—NITH & C. 421 sq. mi.—(*contd.*).** | | | | | | | | |
| M | §Whiteside Hill | County Engineer | 5 | 1 0 | 1680 | ... | 70·36 | ... | ... |
| M | Euchanhead | County Engineer | 5 | 1 0 | 1370 | 77·6 | 67·69 | ... | .... |
| D | Euchan Bank | County Engineer | 5 | 1 0 | 1080 | ... | 59·67 | 233 | 182 |
| M | Poltallan Burn | County Engineer | 5 | 1 0 | 1550 | ... | 63·51 | ... | ... |
| D | Durrisdeer (Drumlanrig) | Master of Works | 5 | 0 9 | 191 | 43·6 | 42·62 | 197 | 144 |
| | **4.—ANNAN. 367 sq. mi.** | | | | | | | | |
| D | Dalton (Kirkwood) | Captain J. Steel | 5 | 1 8 | 260 | ... | 36·34 | 168 | 140 |
| d | Parkgate (Glenview) | Mr. J. M. Reid | 5 | 1 0 | 538 | ... | 43·99 | 194 | 144 |
| M | Forest of Ae (Cran Loch) | Mr. J. M. Reid | 5 | 1 2 | 1100 | ... | 47·47 | ... | ... |
| d | Moffat (St. Margarets) | Sir W. R. Younger, Bart. | 5 | 1 0 | 463 | ... | 37·66 | ... | ... |
| | **5.—ESK. 275 sq. mi.** | | | | | | | | |
| D | Eaglesfield (Springkell Gardens) | Col. Sir E. A. Johnson-Ferguson, Bart. | 5 | 1 0 | 303 | 41·3 | 37·87 | 181 | 139 |
| D | Half Morton (Solway Bank) | Major B. Johnson-Ferguson | 5 | 0 8 | 470 | ... | 42·83 | 204 | 143 |
| D | Canonbie (Irvine House) | Capt. J. G. Milne-Home | 5 | 0 9 | 200 | 46·5 | 39·98 | 170 | 136 |
| D | Winterhope | County Engineer | 5 | 1 0 | 570 | ... | 44·36 | 192 | 150 |
| D | Langholm (Craigcleuch) | J. B. Robertson, Esq. | 5 | 1 0 | 490 | ... | 47·63 | 203 | 151 |
| D | Eskdalemuir (Sandyford) | County Engineer | 5 | 1 0 | 728 | ... | 44·73 | 214 | 163 |
| M | §Eskdalemuir (Cairn Knowe) | County Engineer | 5 | 1 0 | 1107 | ... | (51·15) | ... | ... |
| M | Eskdalemuir (Blackeskhead) | County Engineer | 5 | 1 0 | 797 | ... | (47·54) | ... | ... |
| M | §Eskdalemuir (Peat Rig) | County Engineer | 5 | 1 0 | 1251 | ... | (53·44) | ... | ... |
| M | Eskdalemuir (Garwaldshiels) | County Engineer | 5 | 1 0 | 941 | ... | (46·31) | ... | ... |
| M | §Eskdalemuir (Monkingshaw Knowe) | County Engineer | 5 | 1 0 | 1054 | ... | (54·50) | ... | ... |
| D | Eskdalemuir (Johnstone House) | Lady Lethem | 5 | 1 0 | 650 | ... | 45·60 | 202 | 154 |
| M | §Eskdalemuir (Jock's Shoulder) | County Engineer | 5 | 1 0 | 1757 | ... | (58·33) | ... | ... |
| D | Eskdalemuir (Kiddamhill) | County Engineer | 5 | 1 0 | 905 | ... | 52·83 | 204 | 177 |
| D | ESKDALEMUIR Observatory (+A) | Meteorological Office | 8 | 1 4 | 794 | 56·3 | 48·32 | 211 | 159 |
| M | Eskdalemuir (Cauld Law Grain) | County Engineer | 5 | 1 0 | 1302 | ... | (59·56) | ... | ... |
| M | Eskdalemuir (Loch Fell) | County Engineer | 5 | 1 0 | 2228 | ... | (65·40) | ... | ... |
| M | Eskdalemuir (Pengrain) | County Engineer | 5 | 1 0 | 1118 | ... | (55·00) | ... | ... |
| | ROXBURGHSHIRE. (Area, 666 sq. mi.) | | | | | | | | |
| | **1.—NORTH TYNE. 6 sq. mi.** | | | | | | | | |
| | **2.—TWEED. LOWER. Right Bank Tributaries. 57 sq. mi.** | | | | | | | | |
| D | Yetholm (Old Graden) | P. S. Short, Esq. | 5 | 1 0 | 500 | ... | 31·77 | 199 | 134 |
| D | Cheviot Hills (SOURHOPE) (+A) | Edin. & E. Scot. Coll. of Ag. | 5 | 1 0 | 900 | ... | 37·66 | 199 | 140 |
| | **3.—TWEED. Teviot & c. 431 sq. mi.** | | | | | | | | |
| D | Denholm (Spital Tower) | J. G. Leadbetter, Esq. | 5 | 0 6 | 425 | 32·7 | 29·05 | 224 | 132 |
| d | Jedburgh (Jedneuk) | Capt. J. S. Aikman, M.C. | 5 | 1 0 | 268 | 26·3 | 23·07 | 170 | 108 |
| D | Crailing | Mr. J. Y. Burns | 5 | 1 0 | 190 | 27·6 | 25·69 | 190 | 129 |
| d | Ancrum (Monteviot) | Capt. J. S. Aikman, M.C. | 5 | 1 0 | 210 | 29·8 | 23·42 | 184 | 121 |
| D | Melrose (Bowden, Kippilaw) | Mr. W. A. Henderson | 5 | 1 1 | 500 | ... | 26·85 | 175 | 127 |
| | **4.—TWEED. Ettrick & c. 10 sq. mi.** | | | | | | | | |
| D | Melrose (The Anchorage) | Major J. A. Paton | 5 | 1 3 | 300 | ... | 27·87 | 177 | 114 |
| | **5.—TWEED. Gala. 6 sq. mi.** | | | | | | | | |
| | **6.—TWEED. Leader & c. 25 sq. mi.** | | | | | | | | |

§ Turf wall round gauge.

## DIVISION XII—SOUTHERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1952 Rainfall | 1952 Days with ·01 in. or more | 1952 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **ROXBURGHSHIRE—(*contd.*).** | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **7.—TWEED. LOWER. Left Bank Tributaries. 25 sq. mi.** | | | | | | | | |
| D | KELSO (FLOORS) | The Duke of Roxburghe | 5 | 1 0 | 195 | 26·0 | 28·65? | 185 | 131 |
| D | LAUDER (THE ROAN) | H. H. Cowan, Esq. | 5 | 1 0 | 550 | ... | 28·25 | 178 | 121 |
| | **8.—ESK. 106 sq. mi.** | | | | | | | | |
| | Newcastleton Forest | Forestry Commission | 5 | 1 0 | 800 | 48·5 | 44·05 | ... | ... |

## DIVISION XIII—SOUTH-EASTERN COUNTIES

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | **SELKIRKSHIRE. (Area, 268 sq. mi.)** | | | | | | | | |
| | **1.—TWEED. Teviot & c. 34 sq. mi.** | | | | | | | | |
| | **2.—TWEED. Ettrick & c. 192 sq. mi.** | | | | | | | | |
| d | Selkirk (Burn Mill) | County Surveyor | 5 | 1 6 | 390 | ... | 26·40 | ... | ... |
| D | Ettrick Manse | Rev. Dr. W. Addison | 5 | 1 0 | 785 | 55·6 | 46·99 | 218 | 170 |
| M | §Edinburgh W.W. (Megget Head) | Edinburgh Water Engineer | 8 | 1 6 | 1496 | ... | 60·05 | ... | ... |
| D | Walkerburn (Elibank) | Sir John Milne Home | 5 | 1 0 | 440 | ... | 30·00 | 184 | 138 |
| | **3.—TWEED. UPPER. Right Bank Tributaries. 17 sq. mi.** | | | | | | | | |
| | **4.—TWEED. UPPER. Left Bank Tributaries. 19 sq. mi.** | | | | | | | | |
| D | Caddonfoot (Fairnilee) | Mr. A. Bruce | 5 | 1 0 | 450 | 32·5 | 31·58 | 192 | 134 |
| D | Galashiels (The Peel, Clovenfords) | Mr. Robert Orr | 5 | 1 0 | 450 | 35·5 | 31·14 | 177 | 134 |
| M | §Galashiels (Knowsdean Reservoir) | Water Superintendent | 5 | 1 0 | 892 | ... | 31·70 | ... | ... |
| M | §Galashiels (Craig Head) | Water Superintendent | 5 | 1 0 | 900 | ... | 31·90 | ... | ... |
| M | §Galashiels (Caddonhead) | Water Superintendent | 5 | 1 6 | 1050 | ... | 32·02 | ... | ... |
| | **5.—TWEED. Gala. 6 sq. mi.** | | | | | | | | |
| | **PEEBLESSHIRE. (Area, 348 sq. mi.)** | | | | | | | | |
| | **1.—TWEED. UPPER. Right Bank Tributaries. 127 sq. mi.** | | | | | | | | |
| M | §Edinburgh W.W. (Ballaman Hill) | Edinburgh Water Engineer | 5 | 1 6 | 1700 | 58·7 | 51·11 | ... | ... |
| M | Edinburgh W.W. (Gameshope Loch) | Edinburgh Water Engineer | 5 | 1 0 | 1900 | ... | 70·44 | ... | ... |
| M | Edinburgh W.W. (Garelot Dod) | Edinburgh Water Engineer | 5 | 1 6 | 2200 | ... | 66·87 | ... | ... |
| M | Edinburgh W.W. (Loch Craig Head) | Edinburgh Water Engineer | 8 | 1 6 | 2627 | 73·1 | 72·22 | ... | ... |
| M | Edinburgh W.W. (Gameshope Farm) | Edinburgh Water Engineer | 8 | 1 6 | 1538 | 71·3 | 66·57 | ... | ... |
| M | Edinburgh W.W. (Fruid Farm) | Edinburgh Water Engineer | 5 | 1 6 | 1020 | 49·2 | 41·20 | ... | ... |
| M | §Edinburgh W.W. (Shiel Hope) | Edinburgh Water Engineer | 5 | 1 6 | 1300 | 51·3 | 45·80 | ... | ... |
| M | Edinburgh W.W. (Hawkshaw) | Edinburgh Water Engineer | 5 | 1 6 | 1100 | 48·7 | 43·30 | ... | ... |
| M | Edinburgh W.W. (Talla Linns Foot) | Edinburgh Water Engineer | 8 | 1 6 | 966 | 55·2 | 51·45 | ... | ... |
| M | Edinburgh W.W. (Upper Menzion) | Edinburgh Water Engineer | 5 | 1 6 | 1020 | ... | 40·70 | ... | ... |
| M | Edinburgh W.W. (Nether Garelet) | Edinburgh Water Engineer | 5 | 1 0 | 1700 | 56·0 | 49·24 | ... | ... |
| M | §Edinburgh W.W. (The Rig) | Edinburgh Water Engineer | 5 | 1 6 | 1150 | 46·2 | 42·90 | ... | ... |
| M | §Edinburgh W.W. (Quarter Hill) | Edinburgh Water Engineer | 8 | 1 0 | 1196 | 46·4 | 43·36 | ... | ... |
| D | Edinburgh W.W. (Victoria Lodge) | Edinburgh Water Engineer | 5 | 1 3 | 900 | 50·0 | 43·09 | 238 | 168 |
| | **2.—TWEED. UPPER. Left Bank Tributaries. 192 sq. mi.** | | | | | | | | |
| D | Stobo Castle | Andrew Dunlop, Esq. | 5 | 1 0 | 594 | 34·9 | 33·37 | 199 | 159 |
| D | PEEBLES (GLENTRESS) | Forestry Commission | 5 | 1 0 | 540 | ... | 28·52 | 194 | 140 |

§Turf wall round gauge.

## DIVISION XIII—SOUTH-EASTERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge: Diam. | Rain-gauge: Height of Rim above Ground | Rain-gauge: Height of Ground above Sea Level | Average Rainfall | 1952: Rainfall | 1952: Days with ·01 in. or more | 1952: Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | PEEBLESSHIRE—(*contd.*). | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | 2.—TWEED. Upper.—(*contd.*). | | | | | | | | |
| D | West Linton (Woodlea Cottage) | ... Edinburgh Water Engineer | 5 | 0 11 | 801 | 35·7 | 28·74 | 223 | 150 |
| D | West Linton (Grangeneuk) ... | ... A. E. Colterjohn, Esq. ... | 5 | 1 0 | 850 | ... | 33·13 | 203 | 159 |
| D | West Linton (Baddingsgill Res.) | ... T. Aitken, Esq. ... ... | 8 | 1 0 | 1100 | 44·6 | 36·71 | 232 | 163 |
| | 3.—ESK. 23 sq. mi. | | | | | | | | |
| D | Eddlestone (Portmore Reservoir) | ... Edinburgh Water Engineer | 5 | 0 6 | 1000 | *35·2* | 29·10 | 216 | 137 |
| D | Carlops (North Esk Reservoir) | ... J. Gilmour, Esq. ... ... | 5 | 1 0 | 1150 | *39·5* | 34·35 | 223 | 152 |
| | 4.—CLYDE. Right Bank Tributaries. 6 sq. mi. | | | | | | | | |
| | BERWICKSHIRE. (Area, 457 sq. mi.) | | | | | | | | |
| | 1.—TWEED. Gala. 6 sq. mi. | | | | | | | | |
| | 2.—TWEED. Leader. 92 sq. mi. | | | | | | | | |
| D | Earlston (Cowdenknowes) ... ... | ... Mr. James Mackie ... | 5 | 1 3 | 300 | 28·8 | 26·11 | 168 | 125 |
| D | Earlston (Carolside) ... ... | ... Sir J. Gilmour, Bart. ... | 5 | 1 0 | 350 | ... | 28·16 | 173 | 133 |
| | 3.—TWEED. LOWER. Left Bank Tributaries. 115 sq. mi. | | | | | | | | |
| D | Coldstream (Lochton) ... ... | ... Mrs. Aitchison ... ... | 5 | 1 0 | 150 | 25·9 | 26·00 | 175 | 124 |
| D | Swinton House ... ... | ... (+A) Rev. A. E. Swinton, M.A. | 5 | 1 0 | 200 | 26·4 | 25·87 | 201 | 132 |
| d | Paxton (Tweedhill) ... ... | ... C. H. Brackenbury, Esq. ... | 5 | 1 0 | 50 | ... | 25·72 | ... | ... |
| | 4.—TWEED. Whiteadder. 164 sq. mi. | | | | | | | | |
| D | MARCHMONT House ... ... | ... Capt. J. H. F. McEwen, M.P. | 5 | 1 0 | 498 | 32·2 | 28·95 | 193 | 131 |
| D | Duns Castle ... ... ... | ... Mrs. F. S. Hay ... ... | 5 | 1 0 | 500 | 30·8 | 29·55 | 186 | 134 |
| d | Duns (Manderston) ... | ... Mr. H. E. Wilson ... ... | 5 | 2 6 | 353 | 30·7 | 27·92 | 182 | 122 |
| D | Longformacus (Whitchester) ... | ... Mrs. Laudale ... ... | 5 | 1 0 | 838 | ... | 33·36 | 178 | 134 |
| | 5.—EAST COAST STREAMS. 80 sq. mi. | | | | | | | | |
| d | Cockburnspath (Redheugh) ... | ... T. S. Dykes, Esq. ... ... | 5 | 1 0 | 288 | ... | 24·84 | ... | ... |
| | EAST LOTHIAN. (Area, 267 sq. mi.) | | | | | | | | |
| | 1.—TWEED. Leader. 1 sq. mi. | | | | | | | | |
| | 2.—TWEED. Whiteadder. 35 sq. mi. | | | | | | | | |
| | 3.—EAST COAST STREAMS. 69 sq. mi. | | | | | | | | |
| | Garvald (Donnolly Reservoir) | ... Adam Robson, Esq. ... | 5 | 1 0 | 532 | 32·8 | 28·44 | ... | ... |
| | Garvald (Thorter Reservoir) ... | ... Adam Robson, Esq. ... | 5 | 1 0 | 725 | ... | 29·16 | ... | ... |
| D | DUNBAR (Public Park) ... ... | ... Burgh Surveyor ... ... | 5 | 1 0 | 75 | ... | 19·63 | 164 | 116 |
| | 4.—TYNE & C. 114 sq. mi. | | | | | | | | |
| D | Lammermuir Hills (West Hopes) | ... Adam Robson, Esq. ... | 5 | 1 0 | 736 | 34·4 | 29·70 | 161 | 126 |
| W | Lammermuir Hills (Lammerloch Res.) | Adam Robson, Esq. ... | 5 | 1 0 | 900 | ... | 27·26 | ... | ... |
| | 5.—FIRTH OF FORTH. 48 sq. mi. | | | | | | | | |
| D | East Fortune Hospital ... | ... Clerk of Works ... ... | 5 | 1 4 | 101 | 23·5 | 21·09 | 149 | 119 |
| D | Aberlady (Ards Place) ... ... | ... Mrs. Hemingway ... ... | 5 | 1 0 | 40 | ... | 21·64 | 198 | 128 |
| d | ‖North Berwick (Netherheugh) | ... Hector Macpherson, Esq.... | 5 | 0 9 | 120 | ... | 18·43 | ... | ... |
| D | North Berwick Reservoir ... | ... A. Robertson, Esq., C.E. ... | 5 | 1 0 | 150 | 25·4 | 19·85 | 168 | 118 |
| D | NORTH BERWICK (Gas Works) | ... Town Council ... ... | 5 | 1 0 | 118 | 24·1 | 20·22 | 187 | 124 |
| | 6.—INSULAR. | | | | | | | | |

‖ Gauge sheltered.

## DIVISION XIII—SOUTH-EASTERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1952 Rainfall | 1952 Days with ·01 in. or more | 1952 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **MIDLOTHIAN. (Area, 369 sq. mi.)** | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **1.—TWEED. Gala. 68 sq. mi.** | | | | | | | | |
| D | Stow (Cragdale) ... ... | ... A. H. Fairgrieve, Esq. ... | 5 | 0 6 | 642 | 33·0 | 31·40 | 200 | 133 |
| | **2.—TYNE. 28 sq. mi.** | | | | | | | | |
| d | Oxenfoord Castle Gardens ... | ... Lady Marjorie Dalrymple... | 5 | 1 0 | 409 | ... | 23·15 | (189) | (141) |
| | **3.—FIRTH OF FORTH. 3 sq. mi.** | | | | | | | | |
| | **4.—ESK. 116 sq. mi.** | | | | | | | | |
| M | Moorfoot Hills (Bowbate) | ... Edinburgh Water Engineer | 5 | 1 0 | 1260 | ... | 35·00 | ... | ... |
| D | Moorfoot Hills (Rosebery) ... | ... Edinburgh Water Engineer | 5 | 0 6 | 750 | 32·1 | 29·71 | 204 | 141 |
| d | Gorebridge ... ... ... | ... Hugh Arnott, Esq. ... ... | 5 | 1 0 | 560 | 29·3 | 27·41 | 174 | 126 |
| M | Pentland Hills (Harehill) ... | ... Edinburgh Water Engineer | 5 | 1 2 | 1297 | ... | (32·20) | ... | ... |
| D | Pentland Hills (Martyr's Cross) | ... Edinburgh Water Engineer | 5 | 1 0 | 750 | 35·5 | 28·22 | 222 | 139 |
| D | Pentland Hills (Loganlea) ... | ... Edinburgh Water Engineer | 5 | 1 0 | 811 | 38·5 | 30·66 | 187 | 129 |
| D | Pentland Hills (Glencorse Filters) | ... Edinburgh Water Engineer | 5 | 0 11 | 638 | 35·0 | 30·33 | 196 | 127 |
| D | Pentland Hills (Glen Cottage) | ... Edinburgh Water Engineer | 5 | 1 3 | 739 | 35·2 | 33·06 | 198 | 127 |
| D | Newbattle (Public School) ... | ... C. D. Walinck, Esq., M.A. | 5 | 1 0 | 300 | 25·7 | 24·50 | 157 | 115 |
| | **5.—ALMOND & C. 153 sq. mi.** | | | | | | | | |
| D | Pentland Hills (Crosswood) ... | ... Edinburgh Water Engineer | 5 | 0 10 | 950 | 39·5 | 31·77 | 228 | 152 |
| D | Pentland Hills (Morton) ... | ... Messrs. J. & A. Leslie & Reid | 5 | 1 0 | 749 | 37·4 | 31·63 | 203 | 158 |
| d | West Calder (Addiewell) ... | ... Scottish Oils, Ltd. ... ... | 12 | 21 0 | 620 | 35·7 | 29·64 | 190 | 143 |
| D | BOGHALL ... ... | ... (+A) Edin. & E. Scot. Coll. of Ag. | 8 | 1 0 | 639 | 33·1 | 28·46 | 197 | 128 |
| D | BALERNO (Shothead) ... ... | ... Dr. A. D. Buchanan-Smith | 5 | 1 0 | 750 | ... | 29·15 | 184 | 129 |
| D | Pentland Hills (Harlaw Res.) | ... Edinburgh Water Engineer | 5 | 1 0 | 800 | ... | 24·37 | 177 | 116 |
| M | Pentland Hills (Bonaly Reservoir) | ... Edinburgh Water Engineer | 11 | 0 8 | 1112 | ... | 27·35 | ... | ... |
| D | Pentland Hills (Clubbiedean Res.) | ... Edinburgh Water Engineer | 5 | 1 0 | 773 | 30·4 | 26·10 | 175 | 119 |
| D | MIDCALDER (Howden) ... ... | ... Soc. for Res. in Agric. Eng. | 5 | 1 0 | 400 | ... | 26·64 | 180 | 132 |
| D | Fairmilehead (Frogston Road) | ... J. Aitchison, Esq. ... ... | 5 | 1 0 | 600 | ... | 27·50 | 188 | 119 |
| D | Fairmilehead (Waterworks) ... | ... Edinburgh Water Engineer | 5 | 1 0 | 590 | 30·8 | 26·38 | 179 | 114 |
| D | Liberton (Alnwick Hill) ... | (+A) Edinburgh Water Engineer | 5 | 1 0 | 407 | 28·5 | 24·06 | 193 | 114 |
| M | Liberton (Hawkhead Grove) ... | ... G. M. Stuart, Esq., M.B.E. | 5 | 1 0 | 400 | ... | 26·05 | ... | ... |
| D | Colinton (Firhill Tank) ... | ... Edinburgh Water Engineer | 5 | 0 10 | 412 | 29·0 | 25·76 | 204 | 125 |
| D | LIBERTON (College Farm) ... | ... Edin. & E. Scot. Coll. of Ag. | 5 | 1 0 | 190 | 27·7 | 26·07 | 187 | 117 |
| D | Liberton (The Inch) ... ... | ... Superintendent of Parks ... | 5 | 1 0 | 150 | ... | 27·11 | 198 | 128 |
| D | Edinburgh (Old Dalkeith Rd.) | ... J. T. Jeffrey, Esq. ... ... | 5 | 1 0 | 300 | ... | 25·39 | 187 | 117 |
| D | Edinburgh (Craiglockhart) ... | ... I. C. Hedge, Esq. ... ... | 5 | 1 0 | 295 | ... | 25·21 | 199 | 119 |
| D | EDINBURGH (BLACKFORD HILL) | ... Astronomer Royal for Scot. | 8 | 1 0 | 441 | 26·3 | 24·41 | 194 | 113 |
| D | Edinburgh (Fountainhall Road) | ... R. C. Macfarlane, Esq. ... | 5 | 1 1 | 225 | ... | 24·34 | 185 | 114 |
| D | Edinburgh (Portobello) ... | ... Master A. Hagopian ... | 5 | 1 0 | 100 | ... | 22·59 | 177 | 116 |
| d | Edinburgh (Academy) ... ... | ... Head Science Master ... | 5 | 1 0 | 70 | 25·9 | 21·30 | ... | ... |
| D | TURNHOUSE (Edinburgh Airport) | (+A) Meteorological Office ... | 5 | 1 0 | 114 | ... | 21·97 | 169 | 109 |
| d | Edinburgh (Astley Ainslie Institute) | ... Medical Superintendent ... | 5 | 1 0 | 270 | 27·7 | 24·96 | ... | 129 |
| D | EDINBURGH (ROYAL BOTANIC GDN.) | ... Prof. Sir W. Wright-Smith | 5 | 1 0 | 74 | 26·5 | 22·23 | 172 | 109 |
| D | EDINBURGH (DAVIDSON'S MAINS) | ... J. W. Younger, Esq. ... | 5 | 1 0 | 200 | ... | 23·78 | 186 | 122 |
| | **6.—CLYDE. Right Bank Tributaries. 1 sq. mi.** | | | | | | | | |
| | **WEST LOTHIAN. (Area, 120 sq. mi.)** | | | | | | | | |
| | **1.—ALMOND & C. 60 sq. mi.** | | | | | | | | |
| D | West Calder (Westwood) ... ... | ... Oakbank Oil Co. Ltd. ... | 5 | 1 0 | 480 | ... | 29·06 | 173 | 135 |
| M | Uphall ... ... ... | ... No. 7 W. Lothian Hospital Board | 8 | 1 4 | 646 | ... | 30·55 | ... | ... |
| M | Uphall ... ... ... | ... No. 8 W. Lothian Hospital Board | 8 | 1 4 | 577 | 32·7 | 30·20 | ... | ... |
| d | Uphall (Middleton Hall) ... | ... Scottish Oils, Ltd. ... ... | 8 | 1 0 | 350 | 31·4 | 26·34 | ... | ... |
| D | Dalmeny House ... ... | ... The Earl of Rosebery ... | 5 | 0 6 | 20 | 25·9 | 24·47 | 157 | 111 |
| d | Uphall (Broxburn) ... ... | ... Scottish Oils, Ltd. ... ... | 8 | 1 0 | 262 | ... | 24·07 | ... | ... |

## DIVISION XIII—SOUTH-EASTERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge: Diam. | Rain-gauge: Height of Rim above Ground | Rain-gauge: Height of Ground above Sea Level | Average Rainfall | 1952: Rainfall | 1952: Days with ·01 in. or more | 1952: Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | WEST LOTHIAN—(*contd.*). | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **2.—FORTH. Right Bank Tributaries. 59 sq. mi.** | | | | | | | | |
| D | Blackridge (Bedlormie) ... ... | D. Tennant, Esq. ... ... | 5 | 1 0 | 650 | ... | 36·15 | 202 | 148 |
| D | ‖Armadale (Stonerigg Filters) ... | Water Superintendent ... | 5 | 1 0 | 620 | ... | 28·74 | 194 | 137 |
| D | Armadale (Sewage Works) ... ... | Burgh Engineer ... ... | 5 | 1 0 | 417 | ... | 30·75 | 191 | 141 |
| D | Bathgate (Northbank Filters) ... | J. Spalding, Esq. ... ... | 5 | 0 9 | 640 | 33·2 | 30·24 | 190 | 144 |
| D | Torphichen (Lochcote)... ... ... | Wm. Beattie, Esq. ... ... | 5 | 0 9 | 550 | 33·5 | 27·55 | 188 | 136 |
| D | Uphall (Beecraigs) ... ... ... | Messrs. J. & A. Leslie & Reid | 5 | 1 0 | 477 | ... | 28·09 | 184 | 129 |
| M | Carribber Reservoir ... ... ... | Wm. Beattie, Esq. ... ... | 5 | 0 9 | 350 | 33·1 | 25·83 | ... | ... |
| D | Linlithgow (Preston House) ... ... | Head Gardener ... ... | 5 | 1 0 | 380 | 32·6 | 28·84 | 186 | 132 |
| D | Linlithgow (Grange) ... ... ... | Col. H. M. Cadell ... ... | 5 | 1 0 | 440 | 30·2 | 23·77 | 176 | 112 |
| | **3.—CLYDE. Right Bank Tributaries. 1 sq. mi.** | | | | | | | | |

## DIVISION XIV—SOUTH-WESTERN COUNTIES

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | **LANARKSHIRE. (Area, 881 sq. mi.)** | | | | | | | | |
| | **1.—TWEED. UPPER. Left Bank Tributaries. 20 sq. mi.** | | | | | | | | |
| | **2.—ALMOND. 14 sq. mi.** | | | | | | | | |
| | **3.—FORTH. Right Bank Tributaries. 9 sq. mi.** | | | | | | | | |
| D | Airdrie (Forrestburn Reservoir) ... | T. Aitken, Esq. ... ... | 5 | 1 0 | 735 | 37·1 | 36·85 | 210 | 159 |
| | **4.—CLYDE. Right Bank Tributaries. 378 sq. mi.** | | | | | | | | |
| M | Daer (Lamb Sike) ... ... ... | M. S. Neilson, Esq., C.E. ... | 5 | 1 0 | 1310 | ... | (60·10) | ... | ... |
| M | Daer (Whiteburn) ... ... ... | M. S. Neilson, Esq., C.E. ... | 5 | 1 0 | 1250 | ... | 61·95 | ... | ... |
| D | Daer (Crookburn) ... ... ... | M. S. Neilson, Esq, C.E. ... | 5 | 1 0 | 1124 | ... | 63·71 | 225 | 183 |
| M | Daer (Sweetshawhead) ... ... | M. S. Neilson, Esq., C.E. ... | 5 | 1 0 | 1150 | ... | 56·50 | ... | ... |
| D | Daer (Sweetshaw Burn) ... ... | M. S. Neilson, Esq., C.E. ... | 5 | 1 0 | 1152 | ... | 58·88 | 217 | 179 |
| D | Daer (Garls Craig) ... ... ... | M. S. Neilson, Esq., C.E. ... | 5 | 1 0 | 985 | ... | 56·69 | 226 | 171 |
| M | Crawford (Camps Res.) Risingclaw ... | M. S. Neilson, Esq., C.E. ... | 5 | 1 0 | 1610 | 56·0 | 51·90 | ... | ... |
| M | §Crawford (Camps Res.) Peat Rig ... | M. S. Neilson, Esq., C.E. ... | 5 | 1 0 | 1485 | 53·4 | 48·35 | ... | ... |
| M | Crawford (Camps Res.) Whitecamp ... | M. S. Neilson, Esq., C.E. ... | 5 | 1 0 | 1155 | 50·2 | 45·65 | ... | ... |
| D | Crawford (Camps Reservoir) ... (+A) | M. S. Neilson, Esq., C.E. | 5 | 0 10 | 969 | 44·0 | 36·57 | 217 | 159 |
| M | §Crawford (Camps Res.) Linnburn ... | M. S. Neilson, Esq., C.E. ... | 5 | 1 0 | 1210 | 48·8 | 47·40 | ... | ... |
| W | Coulter Reservoir ... ... ... | J. Bissett Scott, Esq., C.E.... | 5 | 1 0 | 1156 | ... | 35·13 | ... | ... |
| M | Lamington (Cowgill Reservoir) ... | D. T. Brown., Esq. ... | 5 | 1 0 | 1012 | 42·4 | 32·27 | ... | ... |
| D | Biggar (Huntfield) ... ... ... | Miss Dunlop ... ... | 5 | 1 0 | 900 | 31·5 | 30·03 | 196 | 150 |
| D | Lamington House ... ... ... | Rt. Hon. Lord Lamington | 5 | 1 0 | 730 | 36·9 | 34·43 | 205 | 168 |
| D | Carluke (Coldstream Reservoir) ... | J. Bissett Scott, Esq., C.E.... | 5 | 1 0 | 800 | ... | 29·43 | 190 | 151 |
| M | Carluke ... ... ... ... ... | J. Barr, Esq.... ... ... | 5 | 0 7 | 630 | ... | 28·80 | ... | ... |
| D | CARLUKE (Law Junction) ... ... | Dr. W. A. Galbraith ... | 5 | 1 0 | 534 | ... | 26·86 | 187 | 132 |
| W | Carluke (Springfield Reservoir) ... | J. Bissett Scott. Esq., C.E.... | 5 | 1 0 | 860 | 39·5 | 31·96 | ... | ... |
| D | Carluke (Gair Reservoir) ... ... | J. Bissett Scott, Esq., C.E.... | 5 | 1 0 | 665 | 34·9 | 26·32 | 180 | 136 |
| | Wishaw (Coronation Street) ... ... | A. Hinshelwood, Esq. ... | 5 | 1 3 | 510 | ... | 28·63 | ... | ... |
| D | Motherwell (Elvan Street) ... ... | Mr. M. Dunn ... ... | 5 | 0 10 | 175 | ... | 29·22 | 181 | 141 |
| D | Shotts Reservoir ... ... ... | M. S. Neilson, Esq. C.E. ... | 5 | 1 0 | 812 | ... | 32·75 | 196 | 145 |
| D | Glasgow (Rutherglen) ... ... ... | F. C. Thomson, Esq. ... | 5 | 1 0 | 100 | ... | 33·42 | 206 | 140 |
| D | Glasgow (Tollcross Park) ... ... | G. H. Garside, Esq. ... | 5 | 1 0 | 84 | 37·4 | 31·19 | 181 | 147 |
| | Glasgow Green ... ... ... | G. H. Garside, Esq. ... | 5 | 1 0 | 35 | 36·0 | 31·55 | 200 | 149 |
| D | Glasgow (Alexandra Park) ... ... | G. H. Garside. Esq. ... | 5 | 1 0 | 141 | 36·0 | 31·83 | 196 | 145 |
| D | Glasgow (Kelvingrove Park) ... ... | G. H. Garside, Esq. ... | 5 | 1 0 | 48 | 36·1 | 33·04 | 171 | 141 |
| D | Glasgow (Victoria Park) ... ... | G. H. Garside, Esq. ... | 5 | 1 0 | 30 | 36·1 | 33·41 | 190 | 145 |
| D | Glasgow (Ruchill Park) ... ... | G. H. Garside, Esq. ... | 5 | 1 0 | 228 | 36·0 | 34·71 | 181 | 148 |

§ Turf wall round gauge. ‖ Gauge over-exposed.

## DIVISION XIV—SOUTH-WESTERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Height of Rim above Ground | Height of Ground above Sea Level | Average Rainfall | 1952 Rainfall | Days with ·01 in. or more | Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | LANARKSHIRE—(*contd.*). | | *in.* | *ft.* *in.* | *ft.* | *in.* | *in.* | | |
| | 4.—CLYDE—(*contd.*). | | | | | | | | |
| D | GLASGOW (SPRINGBURN PARK) | ... G. H. Garside, Esq. ... | 5 | 0 6 | 351 | 36·9 | 35·32 | 195 | 146 |
| M | Clarkston (Roughrigg Reservoir) | ... D. T. Brown, Esq., C.E. ... | 5 | 1 0 | 664 | 35·8 | 28·95 | ... | ... |
| D | Coatbridge (West End Park) ... | ... S. Lauder, Esq. ... ... | 5 | 1 0 | 240 | ... | 28·75 | 197 | 139 |
| D | COATBRIDGE ... ... ... | ... Sewage Works Manager ... | 5 | 1 0 | 256 | ... | 27·14 | 165 | 134 |
| D | Coatbridge (Whifflet Public Park) | ... S. Lauder, Esq. ... ... | 5 | 1 0 | 295 | ... | 28·38 | 194 | 137 |
| D | Coatbridge (Dunbeth Public Park) | ... S. Lauder, Esq. ... ... | 5 | 1 0 | 325 | ... | 28·84 | 191 | 136 |
| D | Airdrie (Broomknoll Street) ... | ... D. T. Brown, Esq., C.E. ... | 5 | 1 0 | 402 | 35·0 | 27·52 | 173 | 127 |
| D | Gartcosh (Gartloch Hospital) | ... Mr. Donald McMillan ... | 5 | 1 0 | 291 | 37·8 | 31·51 | 189 | 143 |
| | **5.—CLYDE. Left Bank Tributaries. 448 sq. mi.** | | | | | | | | |
| M | Daer (Thick Cleuch) ... ... | ... M. S. Neilson, Esq., C.E. ... | 5 | 1 0 | 1485 | ... | 67·30 | ... | ... |
| D | §Daer (Daerhead) ... ... | ... M. S. Neilson, Esq., C.E. ... | 5 | 1 0 | 1304 | ... | 66·20 | 224 | 186 |
| M | §Daer (Upper Carsehope) ... | ... M. S. Neilson, Esq., C.E. ... | 5 | 1 0 | 1600 | ... | (69·90) | ... | ... |
| M | §Daer (Lower Carsehope) ... | ... M. S. Neilson, Esq., C.E. ... | 5 | 1 0 | 1180 | ... | 67·10 | ... | ... |
| D | §Daer (Kirkhope) ... ... | ... M. S. Neilson, Esq., C.E. ... | 5 | 1 0 | 1103 | ... | 68·71 | 229 | 186 |
| M | §Daer (Kirkhope Cleuch) ... | ... M. S. Neilson, Esq., C.E. ... | 5 | 1 0 | 1350 | ... | 68·50 | ... | ... |
| M | §Daer (Hitteril) ... ... ... | ... M. S. Neilson, Esq., C.E. ... | 5 | 1 0 | 950 | ... | 55·27 | ... | ... |
| M | Elvanfoot (Potrenick Burn) ... | ... J. Bissett Scott, Esq., C.E.... | 5 | 1 0 | 1004 | 61·5 | 52·74 | ... | ... |
| D | Elvanfoot (Peden Reservoir) ... | ... J. Bissett Scott, Esq., C.E.... | 5 | 1 0 | 964 | 65·1 | 51·45 | 186 | 177 |
| D | Douglas (Monksfoot) ... ... | ... Miss J. Steel... ... ... | 5 | 1 0 | 780 | ... | 41·79 | 214 | 180 |
| D | Strathaven (GLENGAVEL Reservoir) | ... M. S. Neilson, Esq., C.E. ... | 5 | 1 0 | 839 | 47·9 | 47·24 | 227 | 184 |
| D | Strathaven (Dunside Res.) ... | ... M. S. Neilson, Esq., C.E. ... | 5 | 1 0 | 1002 | 46·3 | 43·45 | 203 | 169 |
| D | Strathaven (Kype Reservoir) ... | ... H. V. McNaughton, Esq.... | 5 | 1 0 | 941 | 46·6 | 42·60 | 206 | 169 |
| D | Stonehouse (Sanatorium) ... | ... Andrew Riddell, Esq. ... | 5 | 0 7 | 526 | 36·6 | 35·56 | 214 | 156 |
| D | Stonehouse (Glassford Filters) | ... M. S. Neilson, Esq., C.E. ... | 5 | 0 9 | 775 | 39·8 | 37·69 | 195 | 153 |
| D | Hamilton W.W. (Townhill) ... | ... H. V. McNaughton, Esq. | 5 | 1 0 | 430 | 35·6 | 29·39 | 182 | 139 |
| D | Hamilton (Woodlea) ... ... | ... Robert Frame, Esq. ... | 5 | 1 4 | 192 | ... | 30·25 | 179 | 132 |
| D | Hamilton (Cameron Crescent) | ... W. Frame, Esq. ... ... | 5 | 1 0 | 225 | ... | 30·93 | 175 | 137 |
| D | THORNTONHALL ... ... | ... Building Research Lab. ... | 5 | 1 0 | 453 | ... | 37·08 | 198 | 150 |
| W | Carmunnock (Waterworks) ... | ... G. Sime, Esq. ... ... | 5 | 1 6 | 540 | ... | 32·64 | ... | ... |
| D | Cambuslang (Greenlees Filters) | ... M. S. Neilson, Esq., C.E. ... | 5 | 1 0 | 322 | 36·3 | 31·38 | 193 | 143 |
| D | Glasgow (Bellahouston Park) | ... G. H. Garside, Esq. ... | 5 | 1 0 | 80 | 34·6 | 34·05 | 168 | 142 |
| D | Glasgow (Elder Park) ... ... | ... G. H. Garside, Esq. ... | 5 | 1 0 | 25 | 37·0 | 33·73 | 182 | 143 |
| | **6.—IRVINE. 2 sq. mi.** | | | | | | | | |
| | **7.—AYR. 1 sq. mi.** | | | | | | | | |
| | **8.—NITH. 2 sq. mi.** | | | | | | | | |
| | **9.—ANNAN. 7 sq. mi.** | | | | | | | | |
| | **AYRSHIRE. (Area, 1,135 sq. mi.)** | | | | | | | | |
| | **1.—CLYDE. Left Bank Tributaries. 7 sq. mi.** | | | | | | | | |
| | **2.—FIRTH OF CLYDE. 60 sq. mi.** | | | | | | | | |
| D | §Ardrossan (Mill Glen Filters) | ... H. R. Seaton, Esq. ... | 5 | 1 0 | 167 | ... | 38·27 | 187 | 152 |
| D | Stevenston (Greenhead Filters) | ... W. G. Guild, Esq. ... ... | 5 | 1 0 | 186 | 41·6 | 37·79 | 183 | 147 |
| W | Ardrossan (Busbie Reservoir) ... | ... H. R. Seaton, Esq. ... | 5 | 1 0 | 370 | ... | 43·45 | ... | ... |
| M | West Kilbride (Crosbie Reservoir) | ... T. W. Leslie, Esq. ... ... | 5 | 1 0 | 400 | ... | 39·22 | ... | ... |
| D | West Kilbride (Hunterston) ... | ... Lt.-Gen. Sir A. Hunter-Weston, K.C.B. ... ... | 5 | 1 0 | 40 | 42·4 | 42·52 | 185 | 158 |
| | Fairlie (Waterworks) ... ... | ... T. W. Leslie, Esq. ... ... | 5 | 1 0 | 270 | ... | 48·85 | ... | ... |
| D | Largs (Stevenston Institute) ... | ... G. Arkieson, Esq. ... ... | 5 | 1 0 | 20 | ... | 46·03 | 191 | 155 |

§ Turf wall round gauge.

## DIVISION XIV—SOUTH-WESTERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge: Diam. | Rain-gauge: Height of Rim above Ground | Rain-gauge: Height of Ground above Sea Level | Average Rainfall | 1952: Rainfall | 1952: Days with ·01 in. or more | 1952: Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | AYRSHIRE—(*contd.*). | | *in.* | *ft.* *in.* | *ft.* | *in.* | *in.* | | |
| | **2.—FIRTH OF CLYDE.—(*contd.*).** | | | | | | | | |
| D | LARGS (WOODBANK) ... ... | ... A. Simpson, Esq. ... ... | 5 | 1 0 | 25 | ... | 46·28 | 194 | 156 |
| D | Largs (Middleton Filters) ... | ... G. Arkieson, Esq. ... ... | 5 | 1 0 | 230 | 52·0 | 49·25 | 203 | 161 |
| | Greenock W.W. (Knockencorsan) | ... Corporation ... ... | 5 | 1 0 | 1040 | ... | 62·00 | ... | ... |
| | Greenock W.W. (Largs Road) | ... Corporation ... ... | 5 | 1 0 | 910 | *57·0* | 59·40 | ... | ... |
| | **3.—IRVINE & C. 296 sq. mi.** | | | | | | | | |
| D | PRESTWICK ... ... ... | ... Burgh Surveyor ... ... | 5 | 1 0 | 17 | 31·0 | 30·84 | 182 | 135 |
| D | PRESTWICK AIRPORT ... ... | (+A) Meteorological Office ... | 5 | 1 0 | 30 | 33·6 | 30·99 | 180 | 141 |
| D | Prestwick (Ladykirk Filters) ... | ... Burgh Surveyor ... ... | 5 | 1 0 | 185 | ... | 32·79 | 187 | 146 |
| D | Symington ... ... ... | ... J. Glass, Esq. ... ... | 5 | 0 11 | 300 | ... | 35·81 | 200 | 158 |
| D | Hurlford (Carnell) ... ... | ... Mrs. J. B. Findlay ... ... | 5 | 1 0 | 300 | ... | 41·76 | 187 | 177 |
| D | Troon (Collenan Reservoir) ... | ... Burgh Surveyor ... ... | 5 | 1 0 | 203 | ... | 30·71 | 180 | 138 |
| D | Irvine (Gailes) ... ... ... | ... A. Forrest, Esq. ... ... | 5 | 1 0 | 12 | 35·9 | 33·73 | 180 | 142 |
| D | Newmilns (Lanfine) ... ... | ... W. Logan, Esq. ... ... | 5 | 1 6 | 500 | 43·4 | 43·25 | 182 | 156 |
| D | Templetonburn ... ... ... | ... F. C. Howie, Esq. ... ... | 5 | 1 0 | 140 | ... | 38·03 | 194 | 145 |
| D | Darvel (Kirkland Park) ... | ... Burgh Surveyor ... ... | 5 | 1 0 | 347 | ... | 40·81 | 195 | 157 |
| M | Raithill ... ... ... ... | ... W. N. McCall, Esq. ... | 5 | 1 6 | 640 | ... | 41·48 | ... | ... |
| D | KILMARNOCK (Springhill House) | ... W. N. McCall, Esq. ... | 5 | 0 11 | 115 | ... | 36·10 | 190 | 152 |
| d | Irvine (Cunninghame Home) ... | ... Governor ... ... ... | 5 | 1 0 | 24 | ... | 37·96 | 161 | 148 |
| D | Kilmarnock (North Craig Res.) | ... W. N. McCall, Esq. ... | 5 | 1 0 | 319 | 41·2 | 38·44 | 195 | 151 |
| d | Montgreenan Gardens ... | ... Capt. C. B. G. Coltart ... | 5 | 0 9 | 180 | ... | 42·01 | 170 | 151 |
| | Fenwick (Whiteleehill) ... | ... W. N. McCall, Esq. ... | 5 | 1 0 | 915 | 48·6 | 40·78 | ... | ... |
| D | Fenwick (Hareshawmuir) ... | ... Miss E. M. Horwood King | 5 | 1 0 | 600 | 48·5 | 38·56 | 190 | 151 |
| D | Fenwick (Amlaird Filters) ... | ... W. N. McCall, Esq. ... | 5 | 1 0 | 590 | 43·3 | 39·43 | 220 | 160 |
| | Craigendunton Reservoir ... | ... W. N. McCall, Esq. ... | 5 | 1 0 | 805 | 48·9 | 47·35 | ... | ... |
| | Loch Goin Reservoir ... ... | ... W. N. McCall, Esq. ... | 5 | 1 0 | 865 | 49·4 | 52·75 | ... | ... |
| | Moor Farm ... ... ... | ... W. N. McCall, Esq. ... | 5 | 1 0 | 810 | ... | 44·01 | ... | ... |
| D | Stewarton Filters ... ... | ... C. Mc.L. Bodie, Esq. ... | 5 | 1 6 | 515 | ... | 43·31 | 208 | 157 |
| D | Dalry (Caaf Reservoir) ... | ... W. G. Guild, Esq. ... ... | 5 | 1 3 | 515 | 53·2 | 57·34 | 210 | 175 |
| D | Dalry (Birkheadsteel) ... ... | ... W. G. Guild, Esq. ... ... | 5 | 1 3 | 520 | ... | 56·96 | 210 | 175 |
| D | Dalry Waterworks (Filters) ... | ... T. W. Leslie, Esq. ... ... | 5 | 1 0 | 320 | 46·5 | 40·88 | 183 | 148 |
| | Dalry Waterworks (Thirdpart) | ... T. W. Leslie, Esq. ... ... | 5 | 1 0 | 560 | 52·0 | 47·82 | ... | ... |
| M | §Dalry (Drum Burn) ... ... | ... W. G. Guild, Esq. ... ... | 5 | 0 11 | 744 | ... | 51·60 | ... | ... |
| M | Dalry (South Knockendon) ... | ... W. G. Guild, Esq. ... ... | 5 | 1 1 | 704 | ... | 54·45 | ... | ... |
| | Dalry (Knockendon) ... ... | ... W. G. Guild, Esq. ... ... | 5 | 1 0 | 750 | ... | 57·58 | ... | ... |
| M | Dalry (South Bradshaw) ... | ... W. G. Guild, Esq. ... ... | 5 | 1 1 | 946 | ... | 54·30 | ... | ... |
| M | Dalry (Bradshaw) ... ... | ... W. G. Guild, Esq. ... ... | 5 | 1 0 | 1050 | ... | 54·00 | ... | ... |
| M | Dalry (Haining)... ... ... | ... J. A. McGregor, Esq., C.E. | 5 | 1 0 | 895 | ... | 57·90 | ... | ... |
| | Dalry (Camphill Reservoir) ... | (+A) J. A. McGregor, Esq., C.E. | 5 | 1 0 | 611 | 61·2 | 66·67 | ... | ... |
| M | Dalry (Catburn) ... ... | ... J. A. McGregor, Esq., C.E. | 5 | 1 0 | 1013 | ... | 62·75 | ... | ... |
| M | Dalry (Whitehill) ... ... | ... J. A. McGregor, Esq., C.E. | 5 | 1 0 | 628 | 61·8 | 65·05 | ... | ... |
| M | Dalry (Blairpark) ... ... | ... J. A. McGregor, Esq., C.E. | 5 | 1 0 | 722 | 61·3 | 63·55 | ... | ... |
| M | Dalry (Rye Water) ... ... | ... J. A. McGregor, Esq., C.E. | 5 | 1 0 | 1032 | ... | 68·45 | ... | ... |
| D | Beith (Filter Station) ... ... | ... T. W. Leslie, Esq. ... ... | 5 | 1 0 | 412 | 53·7 | 50·60 | 195 | 164 |
| D | Kilbirnie (Holehouse Filters) ... | ... T. W. Leslie, Esq. ... ... | 5 | 1 0 | 377 | 63·4 | 65·69 | 215 | 180 |
| | **4.—AYR. 222 sq. mi.** | | | | | | | | |
| D | Ayr (Cemetery) ... ... ... | ... Thomas O'Beirne, Esq., C.E. | 5 | 1 0 | 40 | 34·8 | 31·23 | 173 | 131 |
| D | Ayr (Airthrey) ... ... | ... National Coal Board ... | 5 | 1 0 | 40 | ... | 34·05 | 181 | 139 |
| D | AUCHINCRUIVE ... ... ... | ... W. Scotland Coll. of Agric. | 8 | 1 0 | 147 | 39·0 | 34·46 | 185 | 148 |
| d | Muirkirk (Kaimshill) ... ... | ... National Coal Board ... | 5 | 1 6 | 750 | 47·8 | 42·35 | 199 | 161 |
| D | Mauchline (Auchenfail) ... | ... Miss M. T. Stephen ... | 5 | 1 0 | 380 | ... | 34·72 | 182 | 155 |
| D | Mauchline (Hillhead Tank) ... | ... T. W. Leslie, Esq. ... ... | 5 | 1 0 | 564 | 42·8 | 37·49 | 178 | 149 |

§ Turf wall round gauge.

## DIVISION XIV—SOUTH-WESTERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1952 Rainfall | 1952 Days with ·01 in. or more | 1952 Days with ·04 in or more |
|---|---|---|---|---|---|---|---|---|---|
| | **AYRSHIRE—(*contd.*).** | | *in.* | *ft.* *in.* | *ft.* | *in.* | *in.* | | |
| | **5.—DOON. 119 sq. mi.** | | | | | | | | |
| M | Tunskeen ... ... ... | ... British Electricity Authority | 5 | 1 0 | 1010 | 76·2 | (78·79) | ... | ... |
| | Loch Recawr ... ... ... | ... Thomas O'Beirne, Esq., C.E. | 5 | 1 0 | 933 | ... | 65·60 | ... | ... |
| W | Loch Finlas ... ... ... | ... Thomas O'Beirne, Esq., C.E. | 5 | 1 0 | 849 | 55·1 | 47·85 | ... | ... |
| D | Dalmellington (Mossdale Filters) | ... T. W. Leslie, Esq. ... ... | 5 | 1 0 | 752 | 48·6 | 47·32 | 232 | 169 |
| d | Dunaskin (Ardoon) ... ... | ... National Coal Board ... | 5 | 1 0 | 686 | 47·8 | 41·08 | 198 | 164 |
| D | Patna (Kerse Filters) ... ... | ... T. W. Leslie, Esq. ... ... | 5 | 1 0 | 741 | ... | 42·73 | 236 | 164 |
| D | Maybole (Otterden) ... ... | ... D. Cross, Esq. ... ... | 5 | 1 0 | 314 | 43·2 | 39·53 | 220 | 155 |
| | Dalrymple (Knockjarder W.W.) | ... Thomas O'Beirne, Esq., C.E. | 5 | 1 0 | 287 | 42·6 | 38·59 | ... | ... |
| D | Ayr (Doonholm) ... ... | ... Col. N. Kennedy, C.B.E., D.S.O., D.L. ... ... | 5 | 1 0 | 90 | 38·8 | 38·32 | 202 | 142 |
| D | Alloway (Doonside) ... ... | ... Col. F. C. Dunlop ... ... | 5 | 1 2 | 99 | ... | 39·50 | 196 | 154 |
| | **6.—CULZEAN BAY & C. 32 sq. mi.** | | | | | | | | |
| D | TURNBERRY ... ... ... | ... Hotels Executive ... ... | 5 | 1 0 | 63 | ... | 37·93 | 195 | 139 |
| D | Maybole (Culzean Castle Gardens) | ... Mr. W. J. Orr ... ... | 8 | 1 3 | 138 | ... | 38·96 | 175 | 139 |
| | **7.—GIRVAN. 105 sq. mi.** | | | | | | | | |
| D | Girvan (Penwhapple Res.) ... | ... Burgh Surveyor ... ... | 5 | 1 0 | 662 | ... | 46·72 | 216 | 169 |
| W | Loch Bradan ... ... ... | ... Burgh Surveyor, Troon ... | 5 | 0 10 | 990 | 57·6 | 54·21 | ... | ... |
| | **8. STINCHAR & C. 155 sq. mi.** | | | | | | | | |
| D | Ballantrae ... ... ... | ... D. J. W. Gray, Esq., M.B.E. | 5 | 1 0 | 15 | ... | 36·23 | 224 | 152 |
| D | COLMONELL (Knockdolian) ... | ... Maj.-Gen. D. McConnell ... | 5 | 1 0 | 170 | 44·8 | 36·37 | 206 | 150 |
| | **9.—LOCH RYAN. 12 sq. mi.** | | | | | | | | |
| | **10.—LUCE BAY. 15 sq. mi.** | | | | | | | | |
| d | Ballantrae (Lagafater Lodge) ... | ... Miss Boult ... ... ... | 5 | 0 11 | 792 | 64·8 | 52·68 | ... | 167 |
| | **11.—CREE. 40 sq. mi.** | | | | | | | | |
| | **12.—DEE. 9 sq. mi.** | | | | | | | | |
| | **13.—NITH. 62 sq. mi.** | | | | | | | | |
| | Afton Res. (Afton Water) ... | ... T. W. Leslie, Esq. ... ... | 5 | 1 0 | 1525 | 78·8 | 71·27 | ... | ... |
| | Afton Res. (Alwhat Burn) ... | ... T. W. Leslie, Esq. ... ... | 5 | 1 0 | 1435 | 79·9 | 68·05 | ... | ... |
| | Afton Res. (Montraw Burn) ... | ... T. W. Leslie, Esq. ... ... | 5 | 1 0 | 1554 | 77·6 | 66·01 | ... | ... |
| | §Afton Res. (Montraw) ... | ... T. W. Leslie, Esq. ... ... | 5 | 1 0 | 1372 | 75·7 | 65·45 | ... | ... |
| | Afton Res. (Green Burn) ... | ... T. W. Leslie, Esq. ... ... | 5 | 1 0 | 1415 | 84·6 | 75·14 | ... | ... |
| D | Afton Res. (Filters) ... | ... T. W. Leslie, Esq. ... ... | 5 | 1 0 | 1366 | ... | 72·10 | 255 | 192 |
| D | Glen Afton (Ayr Sanatorium) | ... Dr. Wm. A. Murray ... | 5 | 1 0 | 833 | 53·2 | 49·41 | 218 | 165 |
| D | New Cumnock (Power Station) | ... National Coal Board ... | 5 | 1 0 | 764 | 55·8 | 41·94 | 199 | 159 |
| | **14.—INSULAR. 1 sq. mi.** | | | | | | | | |
| | Ailsa Craig ... ... ... | ... Com'rs. of N. Lighthouses... | 5 | 1 0 | 35 | ... | 25·59 | ... | ... |
| | **RENFREWSHIRE. (Area, 241 sq. mi.)** | | | | | | | | |
| | **1.—CLYDE. Right Bank Tributaries. 3 sq. mi.** | | | | | | | | |
| | **2.—CLYDE. Left Bank Tributaries. 194 sq. mi.** | | | | | | | | |
| M | Eaglesham (Dunwan Res.) | ... No. 3 Geo. Sime, Esq. ... ... | 5 | 1 0 | 822 | 50·5 | 46·23 | ... | ... |
| M | Eaglesham (Dunwan Res.) | ... No. 4 Geo. Sime, Esq. ... ... | 5 | 1 0 | 841 | 50·6 | 46·38 | ... | ... |
| W | Eaglesham (Dunwan Res.) | ... No. 2 Geo. Sime, Esq. ... ... | 5 | 1 0 | 820 | ... | 46·73 | ... | ... |
| W | Eaglesham (Picketlaw Res.) | ... No. 1 Geo. Sime, Esq. ... ... | 5 | 1 0 | 690 | ... | 45·84 | ... | ... |

§ Turf wall round gauge.

## DIVISION XIV—SOUTH-WESTERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1952 Rainfall | 1952 Days with ·01 in. or more | 1952 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | RENFREWSHIRE—(*contd.*). | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | 2.—CLYDE—(*contd.*). | | | | | | | | |
| D | Gorbals Dist. W.W. (Waulk Glen) | S. D. Canvin, Esq., C.E. | 8 | 1 0 | 280 | 47·2 | 41·45 | 201 | 154 |
| M | Paisley W.W. (Muirhead) | J. A. McGregor, Esq., C.E. | 5 | 1 0 | 482 | 53·9 | 49·44 | ... | ... |
| M | Paisley W.W. (Springside) | J. A. McGregor, Esq., C.E. | 5 | 1 0 | 532 | 54·4 | 51·00 | ... | ... |
| M | Paisley W.W. (Back Thornlymuir) | J. A. McGregor, Esq., C.E. | 12 | 1 0 | 646 | 50·9 | 49·10 | ... | ... |
| M | Paisley W.W. (Stanely) | J. A. McGregor, Esq., C.E. | 5 | 1 0 | 190 | 47·3 | 47·30 | ... | ... |
| D | Barrhead (Sewage Works) | Burgh Surveyor | 5 | 1 0 | 100 | ... | 36·56 | 167 | 139 |
| D | Howwood (Midton House) | A. D. McNab, Esq. | 5 | 1 3 | 232 | 56·9 | 49·34 | 202 | 156 |
| D | Pollokshaws (Rouken Glen Park) | G. H. Garside, Esq. | 5 | 1 0 | 155 | 43·2 | 35·88 | 183 | 141 |
| D | Glasgow (Linn Park) | G. H. Garside, Esq. | 5 | 1 0 | 164 | ... | 35·48 | 206 | 151 |
| D | Pollokshaws (Pollok House) | Sir J. Stirling Maxwell, Bart. | 5 | 1 0 | 50 | 36·5 | 31·91 | 188 | 143 |
| D | Glasgow (Queen's Park) | G. H. Garside, Esq. | 5 | 0 9 | 147 | 36·1 | 32·20 | 200 | 152 |
| D | Glasgow (Maxwell Park) | G. H. Garside, Esq. | 5 | 1 0 | 69 | 35·7 | 33·07 | 190 | 152 |
| D | Lochwinnoch (Kaim Dam) | J. H. Murray, Esq., C.E. | 8 | 1 0 | 616 | 72·7 | 66·37 | 215 | 172 |
| D | Bridge of Weir (Ranfurly) | Rev. E. T. Vernon | 5 | 1 0 | 290 | ... | 47·73 | 191 | 153 |
| d | Paisley (Thornly Park School) | W. K. Wallace Lees, Esq. | 5 | 1 0 | 195 | ... | 43·85 | ... | 150 |
| D | PAISLEY (Coats Observatory) | Obs. Com. (J. Woodrow) | 8 | 1 0 | 106 | 40·7 | 37·58 | 189 | 148 |
| M | §Greenock W.W. (Duchal Moor) | Corporation | 5 | 1 0 | 1150 | 75·0 | 73·20 | ... | ... |
| M | §Greenock W.W. (Creuch Hill) | Corporation | 5 | 1 0 | 1350 | 72·2 | 66·40 | ... | ... |
| M | Greenock W.W. (Green Water) | Corporation | 5 | 1 0 | 788 | *68·1* | 63·70 | ... | ... |
| D | RENFREW (Glasgow Airport) (+A) | Meteorological Office | 8 | 1 0 | 29 | 37·0 | 33·49 | 181 | 141 |
| D | Kilmacolm (Waterworks) | James Grier, Esq. | 5 | 1 0 | 600 | 67·0 | 58·22 | 211 | 167 |
| D | Kilmacolm Village | James Grier, Esq. | 5 | 1 0 | 300 | 51·7 | 54·31 | 209 | 160 |
| D | Greenock W.W. (Gryfe Reservoir) | Corporation | 5 | 1 0 | 640 | 64·0 | 60·68 | 201 | 165 |
| | Greenock W.W. (Mansfield) | Corporation | 5 | 1 0 | 573 | ... | 57·11 | 199 | 161 |
| | Greenock W.W. (Darndaff Moor) | Corporation | 5 | 1 0 | 850 | 64·5 | 62·20 | ... | ... |
| | 3.—FIRTH OF CLYDE. 34 sq. mi. | | | | | | | | |
| | Inverkip (Daff Burn Reservoir) | Burgh Surveyor | 8 | 1 0 | 506 | 58.4 | 54·19 | ... | ... |
| D | Douglehill Filters (Pt. Glas. W.W.) | I. M. MacLean, Esq., C.E. | 8 | 1 6 | 550 | 53·4 | 43·73 | 177 | 150 |
| D | Parkhill Filters (Pt. Glas. W.W.) | I. M. MacLean, Esq., C.E. | 8 | 1 6 | 275 | 48·1 | 40·14 | 176 | 146 |
| D | §Greenock W.W. (Compensation Res.) | Corporation | 5 | 1 0 | 600 | ... | 56·87 | 213 | 168 |
| D | Greenock W.W. (Loch Thom) | Corporation | 5 | 1 0 | 643 | 65·4 | 58·96 | 213 | 165 |
| D | Greenock W.W. (New Yett's Dam) | Corporation | 5 | 1 0 | 800 | 63·2 | 59·96 | 203 | 173 |
| W | Greenock W.W. (Spango Burn) | Corporation | 5 | 1 0 | 757 | 62·6 | 59·10 | ... | ... |
| D | Greenock W.W. (Hole Glen) | Corporation | 5 | 1 0 | 603 | 61·6 | 63·21 | 201 | 176 |
| D | GREENOCK W.W. (Prospect Hill) (+A) | Corporation | 5 | 1 0 | 199 | 58·2 | 53·79 | 202 | 162 |
| D | Gourock (Coves Reservoir) | Burgh Surveyor | 5 | 1 0 | 350 | ... | 51·20 | 198 | 160 |
| | 4.—IRVINE. 10 sq. mi. | | | | | | | | |

## DIVISION XV—WEST MIDLAND COUNTIES

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | DUNBARTONSHIRE. (Area, 270 sq. mi.) | | | | | | | | |
| | 1.—FORTH. Right Bank Tributaries. 10 sq. mi. | | | | | | | | |
| | 2.—FIRTH OF CLYDE & COWAL. 52 sq. mi. | | | | | | | | |
| D | HELENSBURGH (Valve House) | Burgh Engineer | 8 | 1 0 | 293 | 53·0 | 47·55 | 199 | 165 |
| | Garelochhead (Whistlefield Filters) | Malcolm Ross, Esq. | 5 | 1 0 | 295 | ... | 48·73 | ... | ... |
| D | Garelochhead (Arddarroch Gardens) | Mr. D. Macpherson | 5 | 1 0 | 100 | ... | 62·46 | 208 | 174 |
| | 3.—CLYDE. Leven. 149 sq. mi. | | | | | | | | |
| D | Dumbarton (Sewage Works) | W. Wilson, Esq., C.E. | 5 | 1 0 | 11 | ... | 38·13 | 165 | 146 |
| D | Renton (Carman Filters) | Malcolm Ross, Esq. | 8 | 1 0 | 292 | 46·8 | 45·00 | 195 | 164 |

§ Turf wall round gauge.

# DIVISION XV—WEST MIDLAND COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1952 Rainfall | 1952 Days with ·01 in. or more | 1952 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **DUNBARTONSHIRE—(*contd.*).** | | *in.* | *ft.* *in.* | *ft.* | *in.* | *in.* | | |
| | **3.—CLYDE—(*contd.*).** | | | | | | | | |
| D | Loch Lomond Park | G. H. Garside, Esq. | 5 | 1 0 | 156 | 50·2 | 50·22 | 206 | 186 |
| M | Helensburgh (Blairnairn No. 1) | Burgh Engineer | 8 | 1 0 | 575 | ... | 65·59 | ... | ... |
| M | Helensburgh (Blairnairn No. 2) | Burgh Engineer | 5 | 1 0 | 1250 | ... | 69·11 | ... | ... |
| M | Helensburgh (Blairnairn No. 3) | Burgh Engineer | 5 | 1 0 | 1580 | ... | 70·50 | ... | ... |
| M | Glen Finlas Reservoir ... No. 1 | Malcolm Ross, Esq. | 5 | 1 0 | 782 | *69·1* | 59·13 | ... | ... |
| | Glen Fruin (Auchingaich Res.) S. | Malcolm Ross, Esq. | 5 | 1 0 | 800 | ... | 56·72 | ... | ... |
| | Glen Fruin (Auchingaich Res.) N. | Malcolm Ross, Esq. | 5 | 1 0 | 800 | ... | 56·39 | ... | ... |
| D | Glen Finlas Reservoir ... No. 2 | Malcolm Ross, Esq. | 5 | 1 0 | 810 | *81·4* | 70·78 | 208 | 174 |
| d | Loch Sloy (Coiregrogain) | N. of S. Hydro-Electric Bd. | 5 | 1 0 | 449 | ... | 87·29 | ... | ... |
| D | Loch Sloy (Sloy Power Station) (+A) | N. of S. Hydro-Electric Bd. | 5 | 1 0 | 40 | ... | 80·49 | 215 | 184 |
| d | Loch Sloy (Sloy Dam) | N. of S. Hydro-Electric Bd. | 5 | 1 0 | 966 | ... | 98·79 | 212 | 209 |
| | Ardvorlich | N. of S. Hydro-Electric Bd. | 5 | 1 0 | 1123 | ... | 94·90 | ... | ... |
| M | Allt a Chnoic | N. of S. Hydro-Electric Bd. | 5 | 1 0 | 1349 | ... | 112·81 | ... | ... |
| | **4.—CLYDE. Right Bank Tributaries. 59 sq. mi.** | | | | | | | | |
| | Bowling Filters | Malcolm Ross, Esq. | 5 | 1 0 | 230 | ... | 41·14 | ... | ... |
| D | Duntocher (Cochno Filters) | J. E. McWilliam, Esq. | 5 | 1 0 | 400 | 44·2 | 38·80 | 185 | 152 |
| w | Kilpatrick Hills (Greenside Res.) | J. E. McWilliam, Esq. | 5 | 1 0 | 876 | 51·8 | 47·25 | ... | ... |
| w | Kilpatrick Hills (Loch Cochno) | J. E. McWilliam, Esq. | 5 | 1 0 | 909 | 52·8 | 49·77 | ... | ... |
| w | Kilpatrick Hills (Jaw Reservoir) | J. E. McWilliam, Esq. | 5 | 1 0 | 912 | 53·9 | 48·92 | ... | ... |
| | **STIRLINGSHIRE. (Area, 463 sq. mi.)** | | | | | | | | |
| | **1.—FORTH. Right Bank Tributaries. 263 sq. mi.** | | | | | | | | |
| d | Falkirk (Inglewood, Laurieston) | Miss H. S. D. Ballantine | 5 | 1 0 | 133 | 34·8 | 26·85 | ... | ... |
| D | Falkirk (Westbank) *Garden* | W. Gibson, Esq. | 5 | 1 0 | 75 | 36·0 | 29·79 | 171 | 117 |
| D | Falkirk (Westbank) *Lawn* | W. Gibson, Esq. | 5 | 1 0 | 105 | 33·6 | 29·77 | 172 | 118 |
| D | FALKIRK (Arnotdale) (+A) | W. Gibson, Esq. | 5 | 1 0 | 105 | 33·7 | 29·96 | 170 | 119 |
| | Falkirk (Kerse) | Robe rt Johnston, Esq., C.E. | 8 | 1 0 | 18 | 31·9 | 22·21 | ... | ... |
| d | Grangemouth (Burgh Depot) | J. C. Wallace, Esq., C.E. | 5 | 1 0 | 15 | 30·9 | 25·04 | ... | ... |
| M | Little Denny Reservoir | Stirling & Falkirk W. Bd. | 8 | 1 0 | 326 | 42·8 | 35·86 | ... | ... |
| M | Little Denny Filters | Stirling & Falkirk W. Bd. | 8 | 1 0 | 243 | 42·4 | 36·66 | ... | ... |
| M | Kilsyth (Faughlin Reservoir) | Stirling & Falkirk W. Bd. | 8 | 1 0 | 707 | 54·4 | 44·57 | ... | ... |
| D | Kilsyth (Craigannet) | Stirling & Falkirk W. Bd. | 8 | 0 6 | 740 | ... | 45·73 | 208 | 158 |
| M | Fintry (Waterhead) | Stirling & Falkirk W. Bd. | 8 | 1 0 | 850 | 61·3 | 54·53 | ... | ... |
| M | Denny (Buckieburn Reservoir) | Stirling & Falkirk W. Bd. | 8 | 1 0 | 824 | 45·3 | 44·46 | ... | ... |
| M | Denny (Buckieburn Filters) | Stirling & Falkirk W. Bd. | 8 | 1 0 | 760 | 42·1 | 46·43 | ... | ... |
| D | Plean (Governor's House) | Lt.-Col. S. H. Cowan | 5 | 1 0 | 120 | ... | 31·92 | 152 | 128 |
| M | Earlsburn Reservoir | Stirling & Falkirk W. Bd. | 8 | 1 0 | 1202 | 56·8 | 51·42 | ... | ... |
| D | Stirling (North Third Res.) No. 1 | J. C. Wallace, Esq., C.E. | 8 | 0 10 | 574 | 49·4 | 44·85 | 216 | 155 |
| M | Stirling (North Third Res.) No. 2 | J. C. Wallace, Esq., C.E. | 5 | 1 0 | 825 | ... | 41·15 | ... | ... |
| M | Stirling (North Third Res.) No. 3 | J. C. Wallace, Esq., C.E. | 5 | 1 0 | 1014 | ... | 43·25 | ... | ... |
| D | Stirling (Touch Reservoir) No. 3 | D. B. Marrs, Esq. | 8 | 1 0 | 759 | 49·1 | 42·97 | 198 | 140 |
| D | Stirling (Touch Reservoir) No. 2 | D. B. Marrs, Esq. | 8 | 1 0 | 707 | 47·9 | 39·76 | 197 | 136 |
| D | Stirling (Touch Reservoir) No. 1 | D. B. Marrs, Esq. | 8 | 1 0 | 455 | 47·6 | 41·64 | 196 | 144 |
| d | Polmaise Castle Gardens | Mr. A. Copland | 5 | 1 1 | 220 | ... | 35·10 | 150 | 130 |
| D | STIRLING (Sauchie House) | Town Council | 5 | 1 0 | 151 | 35·9 | 31·54 | 157 | 120 |
| d | Meiklewood | Mr. W. Donaldson | 5 | 1 0 | 39 | ... | 34·71 | ... | ... |
| M | Duchray Valley (Ben Lomond) | S. D. Canvin, Esq., C.E. | 8 | 1 3 | 1500 | 89·2 | 70·75 | ... | ... |
| M | Duchray Valley (Glen Dhu) | S. D. Canvin, Esq., C.E. | 8 | 1 3 | 500 | 81·8 | 68·28 | ... | ... |
| M | Duchray Valley (Comer) | S. D. Canvin, Esq., C.E. | 8 | 1 3 | 600 | 86·5 | 72·90 | ... | ... |
| M | Duchray Valley (Achaidh Burn) | S. D. Canvin, Esq., C.E. | 8 | 1 3 | 1200 | 94·4 | 84·27 | ... | ... |
| | Duchray Valley (Hd. of Main Stream) | S. D. Canvin, Esq., C.E. | 8 | 1 3 | 950 | 88·8 | 80·10 | ... | ... |
| | **2.—FORTH. Teith. 5 sq. mi.** | | | | | | | | |
| D | Stronachlachar (Invergyle) | S. D. Canvin, Esq., C.E. | 8 | 1 6 | 376 | 83·2 | 63·31 | 206 | 170 |

## DIVISION XV—WEST MIDLAND COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge: Diam. | Rain-gauge: Height of Rim above Ground | Rain-gauge: Height of Ground above Sea Level | Average Rainfall | 1952: Rainfall | 1952: Days with ·01 in. or more | 1952: Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **STIRLINGSHIRE—(*contd.*).** | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **3.—FORTH. Left Bank Tributaries. 15 sq. mi.** | | | | | | | | |
| D | Bridge of Allan (Langlands) ... ... | W. H. Gillespie, Esq. ... | 5 | 1 0 | 45 | ... | 31·20 | 174 | 134 |
| | **4.—CLYDE. Leven. 128 sq. mi.** | | | | | | | | |
| M | Kilpatrick Hills (Burncrooks Res.) ... | J. E. McWilliam, Esq. ... | 5 | 1 0 | 835 | 51·9 | 48·52 | ... | ... |
| D | Strathblane (Blanefield) ... ... | S. D. Canvin, Esq., C.E. ... | 5 | 0 7 | 250 | 50·6 | 46·38 | 197 | 168 |
| D | Fintry (Police Station) ... ... ... | S. Armstrong, Esq. ... | 5 | 1 0 | 300 | ... | 50·58 | 187 | 154 |
| D | Balfron (Old Ballikinrain) ... ... | A. R. Cross, Esq. ... ... | 5 | 1 0 | 214 | ... | 42·75 | 202 | 156 |
| M | Endrick Weir ... ... ... ... | Stirling & Falkirk W.Bd. ... | 8 | 1 0 | 780 | ... | 48·33 | ... | ... |
| | Loch Arklet (Corriehichon) ... ... | S. D. Canvin, Esq., C.E. ... | 8 | 1 6 | 870 | 82·6 | 72·10 | ... | ... |
| M | Loch Arklet (Corriearklet) ... ... | S. D. Canvin, Esq., C.E. ... | 8 | 1 0 | 950 | ... | 74·30 | ... | ... |
| | **5.—CLYDE. Right Bank Tributaries. 52 sq. mi.** | | | | | | | | |
| D | Strathblane (Mugdock Reservoir) ... | S. D. Canvin, Esq., C.E. ... | 5 | 0 6 | 320 | 46·2 | 44·05 | 224 | 171 |
| D | Milngavie (Eastertoun) ... ... | Major R. M. Ker ... ... | 5 | 1 0 | 450 | 46·4 | 42·01 | 200 | 152 |
| d | Kilsyth (Sewage Works) ... ... | J. Milne, Esq. ... ... | 5 | 1 0 | 135 | ... | 41·63 | (209) | (157) |
| D | Kilsyth (Innsbridge) ... ... ... | J. Milne, Esq. ... ... | 5 | 4 6 | 197 | 47·7 | 43·71 | 209 | 153 |
| D | Lennoxtown ... ... ... ... | W. R. Patterson, Esq. ... | 5 | 1 0 | 200 | ... | 47·60 | 205 | 157 |
| | **BUTESHIRE. (Area, 218 sq. mi.)** | | | | | | | | |
| | **1.—ISLE OF BUTE. 50 sq. mi.** | | | | | | | | |
| D | Rothesay (Dhu Loch W.W.) ... ... | A. Stephen, Esq. ... ... | 5 | 1 6 | 273 | ... | 49·24 | 209 | 161 |
| D | ROTHESAY (Ardencraig) ... ... | Mr. J. McDermott ... | 5 | 1 0 | 200 | 49·0 | 48·92 | 197 | 166 |
| | **2.—CUMBRAES. 4 sq. mi.** | | | | | | | | |
| D | Millport (St. Andrew's Home) ... | Medical Superintendent ... | 5 | 0 9 | 10 | ... | 44·36 | 185 | 160 |
| D | MILLPORT (Marine Biological Stn.) ... | Director ... ... ... | 5 | 1 0 | 16 | 40·1 | 44·11 | 202 | 156 |
| W | Millport (Waterworks) ... ... | J. Russell, Esq. ... ... | 11 | 3 6 | 167 | ... | 44·44 | ... | ... |
| | **3.—ARRAN. 164 sq. mi.** | | | | | | | | |
| D | Dougarie Lodge ... ... ... | P. Helm, Esq. ... ... | 5 | 1 0 | 50 | 46·0 | 45·88 | 201 | 182 |
| | **ARGYLLSHIRE. (Area, 3,181 sq. mi.)** | | | | | | | | |
| | **1.—TAY. Tummel. 36 sq. mi.** | | | | | | | | |
| | **2.—SOUND OF ARISAIG, SOUND OF MULL & C. 317 sq. mi.** | | | | | | | | |
| D | Ardnamurchan Lighthouse ... (+A) | Com'rs. of N. Lighthouses | 5 | 1 0 | 79 | ... | 44·57 | 232 | 181 |
| D | Morvern (Drimnin) ... ... ... | Miss A. Horsman ... ... | 5 | 1 0 | 225 | 62·4 | 58·65 | 247 | 211 |
| W | Loch Sunart (Carnlia, Salen) ... | A. W. Fergusson, Esq. ... | 5 | 1 0 | 35 | 76·9 | 66·17 | ... | ... |
| | **3.—LOCH LINNHE. Right Bank Tributaries. 139 sq. mi.** | | | | | | | | |
| D | Morvern (Kingairloch)... ... ... | Mr. A. Cameron ... ... | 5 | 1 0 | 40 | 98·4 | 87·67 | 212 | 198 |
| D | Ardgour (Inversanda) ... ... ... | Mrs. N. Irvine ... ... | 5 | 1 0 | 25 | ... | 94·13 | 219 | 185 |
| | Corran Lighthouse ... ... ... | Com'rs. of N. Lighthouses | 5 | 1 0 | 13 | 81·0 | 79·77 | 222 | 197 |
| D | Ardgour House ... ... ... | Miss Maclean of Ardgour | 5 | 0 10 | 60 | 97·6 | 87·42 | 242 | 208 |
| D | Conaglen ... ... ... ... | Mrs. M. Kerr ... ... | 5 | 4 0 | 50 | ... | 87·56 | 239 | 197 |
| | **4.—LOCH LINNHE. Left Bank Tributaries. 165 sq. mi.** | | | | | | | | |
| d | Barcaldine ... ... ... ... | Forestry Commission ... | 5 | 1 0 | 50 | 65·9 | 58·33 | 207 | 176 |
| D | Loch Creran (Rhugarbh) ... ... | Miss Chisholm of Chisholm | 5 | 1 0 | 20 | ... | 55·43 | 229 | 172 |
| D | Duror (Achadh Nan Sqiath) ... ... | G. H. Malcolm, Esq. ... | 5 | 1 0 | 40 | ... | 56·74 | 206 | 177 |
| | Glenleven (Blackwater House) ... | British Aluminium Co. Ltd. | 8 | 1 0 | 1069 | 80·8 | 75·67 | ... | ... |
| D | Glenleven (Blackwater Dam, S.) ... | British Aluminium Co. Ltd. | 8 | 1 0 | 1100 | 84·0 | 79·82 | 265 | 200 |
| D | Glenleven (Kinlochleven) ... ... | British Aluminium Co. Ltd. | 8 | 1 0 | 140 | 86·4 | 73·76 | 247 | 196 |

## DIVISION XV—WEST MIDLAND COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Height of Rim above Ground | Height of Ground above Sea Level | Average Rainfall | 1952 Rainfall | Days with ·01 in. or more | Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **ARGYLLSHIRE—(*contd.*).** | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **5.—LOCH ETIVE. 197 sq. mi.** | | | | | | | | |
| | **6.—LOCH ETIVE. Loch Awe. 319 sq. mi.** | | | | | | | | |
| D | Loch Awe (Inverinan) | W. D. Rattray, Esq. | 5 | 1 0 | 150 | ... | 74·60 | 213 | 187 |
| D | Dalmally (Craig) | Capt. R. A. Oldham | 5 | 1 0 | 200 | ... | 65·66 | 194 | 179 |
| | **7.—FIRTH OF LORNE. 112 sq. mi.** | | | | | | | | |
| d | Kilmelfort (Arduaine) | Brig. B. A. Campbell of Arduaine. | 5 | 0 10 | 23 | 57·9 | 54·84 | ... | ... |
| D | Kilmelfort (Kilchoan) | Miss D. M. Henderson | 5 | 1 0 | 30 | ... | 52·88 | 228 | 180 |
| d | Kilmelfort, Tralaig (Innie) | N. of S. Hydro-Electric Bd. | 5 | 1 0 | 524 | ... | 73·71 | ... | ... |
| | Kilninver | A. F. Nicol, Esq. | 5 | 1 5 | 40 | 58·7 | 54·48 | ... | ... |
| w | Oban (Gleann-a-Bhearraidh Res.) | Burgh Surveyor | 8 | 1 6 | 400 | 57·2 | 52·88 | ... | ... |
| D | OBAN | Burgh Surveyor | 8 | 1 1 | 229 | ... | 53·77 | 225 | 176 |
| | **8.—SOUND OF JURA. 163 sq. mi.** | | | | | | | | |
| D | Lochgilphead (Poltalloch) | Colonel G. I. Malcolm | 5 | 1 3 | 120 | 52·7 | 52·75 | 228 | 183 |
| | **9.—KINTYRE, WEST. 146 sq. mi.** | | | | | | | | |
| | ‖Mull of Kintyre | Com'rs. of N. Lighthouses | 5 | 1 0 | 270 | 40·9 | 37·69 | 208 | 169 |
| d | Largie Castle | Mrs. Moreton Macdonald | 5 | 1 1 | 160 | 46·3 | 45·18 | ... | 176 |
| D | West Loch Tarbert (Ardpatrick) | W. B. K. Kenneil, Esq. | 5 | 0 10 | 25 | ... | 37·87 | 213 | 160 |
| w | West Loch Tarbert (Dunmore) | Capt. J. V. Taylor | 5 | 1 8 | 100 | ... | 47·24 | ... | ... |
| | **10.—KINTYRE, EAST. 177 sq. mi.** | | | | | | | | |
| D | Campbeltown | D. M. Kellock, Esq., C.E. | 5 | 1 0 | 20 | ... | 54·10 | 199 | 160 |
| d | Glen Lussa (Corrylach) | N. of S. Hydro-Electric Bd. | 5 | 1 0 | 442 | ... | 55·43 | ... | 188 |
| M | Glen Lussa (Bordadubh) | N. of S. Hydro-Electric Bd. | 5 | 1 0 | 570 | ... | 61·88 | ... | ... |
| D | Carradale (Torrisdale Castle) | Mrs. John Campbell | 5 | 1 0 | 84 | 65·5 | 65·53 | 220 | 182 |
| D | Carradale (Saddell Manse) | Rev. J. A. Argyll Baker | 5 | 1 6 | 25 | 62·6 | 61·53 | 220 | 182 |
| D | Monybacach (Skipness) | W. McLaren, Esq. | 5 | 1 1 | 80 | *48·8* | 51·97 | 213 | 176 |
| | **11.—LOCH FYNE. 264 sq. mi.** | | | | | | | | |
| D | Ardlamont (Kilbride) | J. W. Turnbull, Esq. | 5 | 1 0 | 110 | 46·5 | 48·32 | 202 | 160 |
| d | Ardrishaig (Stronachullin) | Jas. E. Scott, Esq. | 5 | 1 0 | 50 | ... | 70·36 | ... | 186 |
| D | Ardrishaig (Canal Office) | Engineer & Manager | 5 | 1 0 | 48 | 63·5 | 63·04 | 224 | 188 |
| D | LOCH FYNE (LEPHINMORE) | (+A) College of Agriculture | 5 | 1 0 | 30 | ... | 61·76 | 201 | 169 |
| D | Loch Fyne (Barnacarry) | Miss M. Manton | 5 | 1 8 | 44 | ... | 61·68 | 221 | 181 |
| D | Crarae Lodge | Capt. G. I. Campbell | 5 | 1 0 | 20 | 70·2 | 65·97 | 221 | 187 |
| D | Strachur Park | Lady G. Campbell | 5 | 1 9 | 25 | 68·8 | 63·45 | 236 | 188 |
| D | Brenchoillie | Chamberlain of Argyll | 5 | 1 0 | 240 | 68·9 | 73·29 | 217 | 191 |
| D | Inveraray Castle Gardens | J. McRobbie, Esq. | 5 | 1 0 | 40 | 77·2 | 69·32 | 217 | 188 |
| M | Loch Sloy (Beinn Choranach) | N. of S. Hydro-Electric Bd. | 5 | 1 0 | 1340 | ... | 111·68 | ... | ... |
| W | Loch Sloy (Allt Uaine) | N. of S. Hydro-Electric Bd. | 5 | 1 0 | 1123 | ... | 112·93 | ... | ... |
| d | Ellerigbeg | N. of S. Hydro-Electric Bd. | 5 | 1 0 | 29 | ... | 69·97 | ... | 186 |
| W | Brannie Burn | N. of S. Hydro-Electric Bd. | 5 | 1 0 | 1370 | ... | 85·29 | ... | ... |
| D | Glenfyne Lodge | N. of S. Hydro-Electric Bd. | 5 | 1 0 | 126 | ... | 80·57 | 189 | 178 |
| W | Allt Na Lairige | N. of S. Hydro-Electric Bd. | 5 | 1 0 | 1075 | ... | 107·45 | ... | ... |
| W | Sron-Mhor | N. of S. Hydro-Electric Bd. | 5 | 1 0 | 1194 | ... | 79·23 | ... | ... |
| M | Loch Fyne Head | N. of S. Hydro-Electric Bd. | 5 | 1 0 | 1151 | ... | 92·53 | ... | ... |
| | **12.—FIRTH OF CLYDE AND COWAL. 242 sq. mi.** | | | | | | | | |
| D | Toward (Knockdow Gardens) | Miss Augusta Lamont | 5 | 1 2 | 101 | 56·8 | 51·28 | 215 | 166 |
| D | Dunoon (Waterworks) | Burgh Surveyor | 5 | 1 0 | 227 | ... | 69·61 | 224 | 187 |
| D | DUNOON | Burgh Surveyor | 5 | 1 0 | 138 | ... | 60·15 | 206 | 170 |
| D | Ardnadam (Ashville) | Charles F. Priestley, Esq. | 5 | 1 0 | 26 | ... | 64·88 | 215 | 173 |

‖ Site unorthodox.

## DIVISION XV—WEST MIDLAND COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1952 Rainfall | 1952 Days with ·01 in. or more | 1952 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | ARGYLLSHIRE—(*contd.*). | | *in.* | *ft.* | *ft.* | *in.* | *in.* | | |
| | **12.—FIRTH OF CLYDE AND COWAL—(*contd.*).** | | | | | | | | |
| d | Glendaruel (Ormidale) | O. M. Chance, Esq. | 5 | 1 | 60 | ... | 71·22 | ... | ... |
| d | Glen Tarsan | N. of S. Hydro-Electric Bd. | 5 | 1 | 400 | ... | 72·15 | ... | ... |
| d | DUNOON (BENMORE Forest School) | Forestry Commission | 5 | 1 | 46 | ... | 71·89 | ... | 181 |
| D | Loch Eck (Benmore) | Head Gardener | 5 | 1 | 40 | 86·6 | 81·12 | 225 | 194 |
| d | Garvie Farm | N. of S. Hydro-Electric Bd. | 5 | 0 | 140 | ... | 71·49 | ... | 175 |
| D | Strachur (GLENBRANTER) | Forestry Commission | 5 | 1 | 120 | 85·2 | 77·69 | 207 | 179 |
| D | Lochgoilhead (Ardgoil) | G. H. Garside, Esq., | 5 | 1 | 20 | 85·4 | 67·75 | 221 | 184 |
| | **13.—CLYDE. Leven. 4 sq. mi.** | | | | | | | | |
| | Loch Sloy (Beinn Ime 'South') | N. of S. Hydro-Electric Bd. | 5 | 1 | 1322 | ... | 100·23 | ... | ... |
| | Loch Sloy (Beinn Ime 'North') | N. of S. Hydro-Electric Bd. | 5 | 1 | 1533 | ... | 106·67 | ... | ... |
| | **14.—INSULAR. 854 sq. mi.** | | | | | | | | |
| | Sanda Lighthouse | Com'rs. of N. Lighthouses | 5 | 2 | 9 | 134 | *36·8* | 38·61 | 183 | 138 |
| | Islay (McArthur's Head) | Com'rs. of N. Lighthouses | 5 | 0 | 6 | 173 | 56·5 | 48·34 | 206 | 177 |
| D | Islay (Eallabus) | J. H. Cranston, Esq. | 5 | 1 | 0 | 68 | 48·9 | 46·96 | 210 | 179 |
| d | Jura (Tarbert) | Lord Astor | 5 | 1 | 0 | 30 | 50·3 | 51·96 | ... | ... |
| D | Jura (Ardlussa) | R. G. Fletcher, Esq. | 5 | 0 | 9 | 100 | 50·1 | 50·05 | 213 | 176 |
| D | COLONSAY | Lord Strathcona | 5 | 1 | 0 | 87 | 47·4 | 46·88 | 252 | 199 |
| d | Seil (An Cala) | Col. the Hon. A. C. Murray | 5 | 1 | 0 | 30 | 57·4 | 51·75 | ... | ... |
| | Lismore (Mousedale) | Com'rs. of N. Lighthouses... | 7 | 3 | 10 | 38 | 43·7 | 43·98 | 183 | 159 |
| D | Iona (Maol) | Mr. MacNiven | 5 | 1 | 0 | 60 | ... | 43·82 | 239 | 189 |
| D | Mull (Auchnacraig) | G. W. Duncan, Esq. | 8 | 1 | 0 | 50 | ... | 73·00 | 196 | 189 |
| D | Mull (Gruline) | Mr. J. Walker | 8 | 1 | 0 | 100 | 79·0 | 73·68 | 253 | 217 |
| | Mull, Sound of | Com'rs. of N. Lighthouses | ... | ... | ... | ... | 61·5 | 60·66 | ... | ... |
| D | TIREE Airport | (+A) Meteorological Office | 8 | 1 | 0 | 29 | 44·7 | 40·42 | 234 | 179 |

## DIVISION XVI—EAST MIDLAND COUNTIES

**CLACKMANNANSHIRE. (Area, 55 sq. mi.)**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | **1.—FORTH. LOWER. Left Bank Tributaries. 55 sq. mi.** | | | | | | | | |
| D | Alloa House Gardens | Earl of Mar & Kellie, K.T. | 5 | 3 | 0 | 50 | 33·2 | 30·84 | 182 | 123 |
| W | Alloa W.W. (Gartmorn Reservoir) | Burgh Surveyor | 5 | 1 | 0 | 172 | 32·1 | 25·75 | ... | ... |
| D | Tillicoultry (The Cemetery) | Superintendent | 5 | 1 | 0 | 80 | 34·5 | 29·48 | 165 | 128 |
| W | Menstrie (Lipney Filters) | J. D. A. Ross, Esq.... | 5 | 1 | 0 | 328 | ... | 29·08 | ... | ... |
| M | Glendevon (Broich Burn) No. 2 | County Engineer, Fife | 8 | 1 | 0 | 1333 | 71·7 | 57·73 | ... | ... |
| M | Glendevon (Backhill) No. 9 | County Engineer, Fife | 8 | 1 | 0 | 1067 | 58·3 | 48·63 | ... | ... |
| d | Glendevon (Backhill) | County Engineer, Fife | 8 | 1 | 0 | 1067 | 59·9 | 49·73 | 197 | 148 |
| | **KINROSS-SHIRE. (Area, 87 sq. mi.)** | | | | | | | | |
| | **1.—FORTH. LOWER. Left Bank Tributaries. 15 sq. mi.** | | | | | | | | |
| | **2.—LEVEN & C. 67 sq. mi.** | | | | | | | | |
| D | Loch Leven Sluice | G. Harley, Esq. | 5 | 1 | 0 | 360 | 35·8 | 29·65 | 198 | 141 |
| D | Milnathort (Laurel Bank) | Capt. L. Kininmonth | 5 | 1 | 0 | 396 | 36·3 | 27·32 | 164 | 127 |
| D | Milnathort (Ledlanet) | Sir James C. Calder, K.B.E. | 5 | 1 | 4 | 650 | 47·1 | 35·53 | 180 | 140 |
| d | Milnathort (Ochil Hills Hospital) | Medical Superintendent | 5 | 1 | 0 | 800 | 47·3 | 36·28 | ... | ... |

## DIVISION XVI—EAST MIDLAND COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Height of Rim above Ground | Height of Ground above Sea Level | Average Rainfall | 1952 Rainfall | Days with ·01 in. or more | Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | KINROSS-SHIRE—(*contd.*). | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **3.—EDEN. 2 sq. mi.** | | | | | | | | |
| | **4.—TAY. Earn. 3 sq. mi.** | | | | | | | | |
| | FIFESHIRE. (Area, 505 sq. mi.) | | | | | | | | |
| | **1.—FORTH. LOWER. Left Bank Tributaries. 68 sq. mi.** | | | | | | | | |
| D | DUNFERMLINE ... ... ... | (+A) Carnegie Dunfermline Trust | 5 | 1 0 | 237 | ... | 22·18 | 169 | 113 |
| D | Kincardine (Tulliallan) ... | ... Head Gardener ... ... | 5 | 1 0 | 90 | 33·8 | 24·98 | 150 | 114 |
| M | Carnock (Craigluscar Reservoir) | ... D. H. Shaw, Esq., M.C., C.E. | 12 | 0 4 | 480 | 36·1 | 29·20 | ... | ... |
| | **2.—LEVEN & C. 208 sq. mi.** | | | | | | | | |
| D | Burntisland (Cullaloe Res.) ... | ... Burgh Surveyor ... ... | 5 | 1 0 | 294 | ... | 24·34 | 150 | 120 |
| D | KIRKCALDY (Beveridge Park) ... | ... Town Clerk ... ... ... | 5 | 1 0 | 106 | 30·0 | 24·81 | 165 | 115 |
| D | Cowdenbeath (Sewage Works) | ... H. Gardiner, Esq. ... ... | 5 | 1 0 | 390 | ... | 27·25 | 177 | 119 |
| | Cleish Hills (Craigaveral) ... | ... H. Gardiner, Esq. ... ... | 5 | 1 0 | 760 | 41·0 | 30·85 | ... | ... |
| | Cleish Hills (Roscobie Res.) ... | ... H. Gardiner, Esq. ... ... | 5 | 1 0 | 660 | 39·6 | 29·57 | ... | ... |
| D | Kirkcaldy (Carberry) ... ... | ... R. Ritchie, Esq. ... ... | 5 | 1 0 | 326 | ... | 23·91 | 158 | 114 |
| | Cleish Hills (Blairadam) ... | ... H. Gardiner, Esq. ... ... | 5 | 1 0 | 670 | 35·8 | 25·67 | ... | ... |
| D | Glenrothes (Woodside) ... | (+A) Chief Architect ... ... | 5 | 1 0 | 273 | ... | 25·58 | 170 | 113 |
| D | Leslie (Lothrie Reservoir) ... | ... R. Ritchie, Esq. ... ... | 5 | 1 0 | 700 | 36·7 | 27·90 | 175 | 125 |
| D | Leven (Silverburn) ... ... | ... Sir David Russell ... ... | 5 | 1 0 | 70 | ... | 23·33 | 157 | 108 |
| D | Markinch (Rothes) ... ... | ... Sir David Russell ... ... | 5 | 1 0 | 198 | ... | 24·98 | 186 | 120 |
| D | Markinch (Carriston Reservoir) | ... Water Superintendent ... | 5 | 0 9 | 293 | 32·9 | 30·21 | 199 | 129 |
| D | Markinch (Coul Reservoir) ... | ... Water Superintendent ... | 5 | 0 9 | 438 | 35·2 | 29·89 | 171 | 135 |
| D | Carnbee (Ovenstone Waterworks) | ... Mr. John R. Stewart ... | 5 | 1 0 | 168 | 25·8 | 25·00 | 176 | 122 |
| D | Arncroach (Belliston) ... ... | ... Mr. J. M. Roger ... ... | 5 | 1 1 | 270 | ... | 24·46 | 175 | 119 |
| | **3.—EDEN & C. 205 sq. mi.** | | | | | | | | |
| D | Cupar (Clatto Reservoir) ... | ... R. W. Morrison, Esq. ... | 5 | 1 0 | 505 | 30·1 | 27·87 | 196 | 126 |
| D | Cameron (Waterworks) ... | ... Burgh Surveyor ... ... | 5 | 1 0 | 478 | 29·9 | 25·78 | 177 | 117 |
| D | Cupar (Pitlair) ... ... ... | ... Mr. John Blyth ... ... | 5 | 1 0 | 126 | 29·5 | 21·76 | 150 | 108 |
| d | Cupar (Rankeillour) ... ... | ... Mr. R. Meldrum ... ... | 5 | 1 0 | 240 | 28·7 | 22·95 | ... | ... |
| D | CUPAR (Stratheden Hospital) ... | ... Medical Superintendent ... | 5 | 1 0 | 210 | 27·7 | 24·61 | 153 | 112 |
| D | Cupar (Beet Sugar Factory) ... | ... British Sugar Corpn. Ltd. | 5 | 1 0 | 82 | ... | 23·71 | 138 | 120 |
| D | St. Andrews (Waterworks) ... | ... Burgh Surveyor ... ... | 5 | 1 0 | 217 | 27·3 | 22·52 | 174 | 119 |
| D | ST. ANDREWS ... ... ... | ... Burgh Surveyor ... ... | 5 | 1 0 | 13 | 27·1 | 22·50 | 177 | 119 |
| D | LEUCHARS Airfield ... ... | (+A) Meteorological Office ... | 8 | 1 0 | 36 | 25·7 | 20·52 | 154 | 101 |
| | **4.—FIRTH OF TAY. 25 sq. mi.** | | | | | | | | |
| D | Balmerino Manse ... ... | ... Mr. R. L. Constable ... | 5 | 1 0 | 200 | ... | 21·66 | 158 | 112 |
| D | Newport (Tayfield) ... ... | ... W. Berry, Esq. ... ... | 5 | 1 0 | 100 | 28·3 | 22·10 | 147 | 122 |
| D | Tayport Lighthouse ... ... | ... Dundee Harbour Trust ... | 5 | 1 0 | 27 | 26·3 | 20·63 | 157 | 113 |
| | **5.—TAY. Earn. 1 sq. mi.** | | | | | | | | |
| | **6.—INSULAR.** | | | | | | | | |
| | PERTHSHIRE. (Area, 2,535 sq. mi.) | | | | | | | | |
| | **1.—FORTH. Right Bank Tributaries. 17 sq. mi.** | | | | | | | | |
| D | Loch Dhu ... ... ... ... | S. D. Canvin, Esq., C.E. ... | 5 | 1 0 | 325 | 79·8 | 60·59 | 190 | 167 |
| | **2.—FORTH. UPPER. Left Bank Tributaries. 84 sq. mi.** | | | | | | | | |
| D | Loch Ard (Couligarton) ... ... | Major R. S. Cuninghame | 5 | 0 10 | 200 | ... | 57·07 | 197 | 160 |

## DIVISION XVI—EAST MIDLAND COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge: Diam. | Rain-gauge: Height of Rim above Ground | Rain-gauge: Height of Ground above Sea Level | Average Rainfall | 1952: Rainfall | 1952: Days with ·01 in. or more | 1952: Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **PERTHSHIRE—(*contd.*).** | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **3.—FORTH. Teith. 221 sq. mi.** | | | | | | | | |
| M | Ochtertyre (Stirling) | Lt.-Col. J. C. Dundas, D.S.O. | 5 | 1 0 | 14 | 39·4 | 34·45 | ... | ... |
| | Loch Drunkie | S. D. Canvin, Esq., C.E. | 8 | 1 10 | 420 | 62·4 | 45·60 | ... | ... |
| | Ben Venue (Glasahoile) | S. D. Canvin, Esq., C.E. | 8 | 1 6 | 1150 | 79·4 | 55·00 | ... | ... |
| D | Loch Vennachar | S. D. Canvin, Esq., C.E. | 5 | 1 0 | 273 | 55·3 | 43·77 | 187 | 145 |
| D | Brig o' Turk | S. D. Canvin, Esq., C.E. | 5 | 1 0 | 275 | 63·7 | 50·23 | 195 | 159 |
| | Loch Katrine (Tunnel Hill Top) | S. D. Canvin, Esq., C.E. | 8 | 1 6 | 830 | 79·0 | 66·50 | ... | ... |
| | Ben Ledi | S. D. Canvin, Esq., C.E. | 8 | 1 8 | 1400 | 67·0 | 50·60 | ... | ... |
| | Achnahard | S. D. Canvin, Esq., C.E. | 8 | 1 0 | 474 | 65·5 | 49·95 | ... | ... |
| | Callander (Leny House) | Capt. M. Murray Buchanan | 5 | 1 0 | 340 | 56·9 | (43·60) | ... | ... |
| W | Strone Bridge | S. D. Canvin, Esq., C.E. | 8 | 1 6 | 380 | 71·7 | 57·40 | ... | ... |
| | Glen Meann | S. D. Canvin, Esq., C.E. | 8 | 1 3 | 800 | 76·5 | 58·30 | ... | ... |
| | Glen Finlas | S. D. Canvin, Esq., C.E. | 8 | 1 3 | 1200 | 78·3 | 64·20 | ... | ... |
| D | Glengyle | S. D. Canvin, Esq., C.E. | 8 | 1 0 | 380 | 89·9 | 69·55 | 198 | 169 |
| | Upper Glengyle | S. D. Canvin, Esq., C.E. | 8 | 1 6 | 750 | 94·7 | 77·41 | ... | ... |
| | Allt a' Choin | S. D. Canvin, Esq., C.E. | 8 | 1 0 | 1250 | 88·2 | 69·50 | ... | ... |
| d | Strathyre | Forestry Commission | 5 | 1 0 | 425 | ... | 57·03 | ... | ... |
| W | Balquhidder (Blaircreach) | Miss E. Fergusson | 5 | 1 0 | 460 | 92·7 | 71·66 | ... | ... |
| | **4.—FORTH. LOWER. Left Bank Tributaries. 107 sq. mi.** | | | | | | | | |
| d | Dunblane | J. W. Kirkland, Esq. | 5 | 0 11 | 320 | ... | 32·74 | ... | 118 |
| d | Dunblane (Elmswood) | A. E. Martin, Esq. | 5 | 1 0 | 300 | ... | (29·17) | 185 | 127 |
| D | Glendevon (Glenquey Res.) | No. 2 County Engineer, Fife | 8 | 1 0 | 942 | 58·0 | 43·15 | 195 | 152 |
| D | Glendevon (Frandy) | County Engineer, Fife | 8 | 1 0 | 911 | 61·6 | 47·19 | 186 | 155 |
| | Glendevon (Glensherup) | D.H. Shaw, Esq., M.C., C.E. | 12 | 0 4 | 945 | 59·0 | 42·96 | ... | ... |
| M | Glendevon (Bald Hill) | No. 1 County Engineer, Fife | 8 | 1 0 | 1202 | 58·0 | 46·70 | ... | ... |
| M | Glendevon (Wether Hill) | No. 10 County Engineer, Fife | 8 | 1 0 | 1408 | ... | 45·50 | ... | ... |
| | **5.—LEVEN. 1 sq. mi.** | | | | | | | | |
| | **6.—EDEN. 4 sq. mi.** | | | | | | | | |
| | **7.—TAY. Earn. 376 sq. mi.** | | | | | | | | |
| M | Blackford | Water Engineer, Perth | 5 | 1 7 | 500 | ... | 31·61 | ... | ... |
| | Upper Farg (Plains) | County Engineer, Fife | 8 | 1 0 | 900 | ... | (31·46) | ... | ... |
| D | Upper Farg (Main Bank) | County Engineer, Fife | 8 | 1 0 | 632 | ... | 31·30 | 199 | 136 |
| d | Dunning (Kippen House) | Mr. W. McKenzie | 5 | 1 0 | 450 | ... | 32·28 | ... | ... |
| | Glenfarg (Waterworks) | Water Engineer, Perth | 5 | 1 0 | 675 | ... | 32·65 | ... | ... |
| D | Bridge of Earn (Ballendrick) | G. M. Taylor, Esq. | 5 | 1 0 | 50 | 31·5 | 25·44 | 161 | 125 |
| D | Lochearnhead (Ardloch) | S. Moir, Esq. | 5 | 1 0 | 370 | 62·1 | 49·23 | 235 | 157 |
| d | Lochearnhead (Edinchip) | Sir Malcolm MacGregor, Bt. | 5 | 1 0 | 513 | 69·0 | 51·99 | ... | ... |
| D | Comrie (Dunira Gardens) | W. P. Robertson, Esq. | 5 | 1 8 | 200 | ... | 41·87 | 173 | 131 |
| M | Meall nam Fiadh | N. of S. Hydro-Electric Bd. | ... | ... ... | 1850 | ... | (47·40) | ... | ... |
| d | Comrie (Invergeldie Lodge) | N. of S. Hydro-Electric Bd. | 5 | 1 0 | 795 | ... | 42·65 | ... | ... |
| | Glen Tarken | N. of S. Hydro-Electric Bd. | 5 | 1 0 | 1170 | ... | 50·75 | ... | ... |
| | Allt am Driuchd | N. of S. Hydro-Electric Bd. | 5 | 1 0 | 1750 | ... | (47·65) | ... | ... |
| D | Crieff (Strathearn Hydro) | Manager | 5 | 1 0 | 478 | 40·9 | 30·80 | 151 | 119 |
| | Loch Turret (Lower Glenturret) | Water Engineer, Perth | 5 | 1 0 | 1100 | ... | 40·07 | ... | ... |
| | Loch Turret (Glenturret Lodge) | Water Engineer, Perth | 5 | 1 0 | 1250 | ... | (46·42) | ... | ... |
| | Loch Turret (Upper Glenturret) | Water Engineer, Perth | 5 | 1 0 | 1400 | ... | (47·05) | ... | ... |
| | **8.—TAY. Almond & c. 149 sq. mi.** | | | | | | | | |
| D | Perth (Craigie Haugh) | (+A) J. Penman, Esq., C.E. | 5 | 4 2 | 14 | ... | 21·99 | 167 | 117 |
| D | PERTH (Wellshill Cemetery) | Town Council | 5 | 1 0 | 77 | 30·8 | 22·95 | 174 | 120 |
| | Methven (Waterworks) | Water Engineer, Perth | 5 | 1 0 | 450 | ... | 27·00 | ... | ... |

## DIVISION XVI—EAST MIDLAND COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1952 Rainfall | 1952 Days with ·01 in. or more | 1952 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **PERTHSHIRE—(*contd.*).** | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **9.—TAY. Strathtay below Dunkeld. 33 sq. mi.** | | | | | | | | |
| | Dunkeld | Water Engineer, Perth | 5 | 1 0 | 480 | ... | 31·84 | ... | ... |
| | **10.—TAY. 81 sq. mi.** | | | | | | | | |
| D | Strath Bran (Glenquaich Lodge) | W. A. Cox, Esq. | 5 | 1 0 | 900 | 54·1 | 40·68 | 209 | 140 |
| D | Strath Bran (Garrows) | K. O. Hunter, Esq. | 5 | 0 9 | 980 | ... | 37·79 | 210 | 155 |
| | **11.—TAY. Strathtay above Dunkeld. 95 sq. mi.** | | | | | | | | |
| D | Aberfeldy (Tigh'n Eilean) | Dr. N. D. Mackay | 5 | 1 0 | 320 | 37·4 | 28·47 | 174 | 123 |
| D | Aberfeldy (Grandtully Castle Gdns.) | Mr. W. Robertson | 5 | 0 11 | 383 | 37·0 | 28·42 | 175 | 126 |
| | **12.—TAY. Loch Tay. 241 sq. mi.** | | | | | | | | |
| D | Glenoglehead | N. of S. Hydro-Electric Bd. | 5 | 1 0 | 942 | ... | 57·21 | 179 | 154 |
| | Beinn Leabhain | N. of S. Hydro-Electric Bd. | 5 | 1 0 | 1850 | ... | 55·30 | ... | ... |
| D | Tyndrum Manse | Dr. Walker | 5 | 1 0 | 750 | ... | 79·52 | 234 | 195 |
| D | Killin (Kinnell Gardens) | Head Gardener | 5 | 1 0 | 380 | 58·2 | 48·90 | 164 | 151 |
| D | Ardeonaig (Tigh-nan-Dilleachdan) | Major H. Stuart Stevenson | 5 | 0 10 | 1000 | ... | 44·39 | 178 | 150 |
| D | Loch Tay (Ardeonaig) | Rev. G. A. Grieve, M.B.E. | 5 | 1 0 | 450 | ... | 41·08 | 183 | 138 |
| D | Ardtalnaig (Milton) | Mr. M. K. Browne | 5 | 1 0 | 425 | ... | 38·47 | 190 | 141 |
| D | Kenmore (Dalerb) | W. L. Ross, Esq. | 5 | 1 1 | 390 | ... | 33·74 | 175 | 124 |
| | **13.—TAY. Lyon. 142 sq. mi.** | | | | | | | | |
| D | Glenlyon (Meggernie Castle) | Sir E.S. Wills, Bart. | 5 | 1 0 | 700 | 61·5 | 52·34 | 229 | 172 |
| | Fortingall (Glenlyon House) | Mr. David R. Dow | 5 | 1 0 | 425 | 44·7 | (35·05) | ... | ... |
| | **14.—TAY. Tummel. 587 sq. mi.** | | | | | | | | |
| D | Loch Rannoch (Station) | N. of S. Hydro-Electric Bd. | 5 | 1 0 | 1007 | 60·4 | 59·77 | 215 | 186 |
| D | Loch Rannoch (Power House) | N. of S. Hydro-Electric Bd. | 5 | 1 1 | 675 | 43·4 | 36·86 | 197 | 157 |
| d | Foss (Domnaheich) | N. of S. Hydro-Electric Bd. | 5 | 1 0 | 640 | ... | 29·37 | ... | ... |
| D | Loch Tummel (Power House) | N. of S. Hydro-Electric Bd. | 5 | 1 0 | 500 | ... | 32·52 | 185 | 132 |
| D | Pitlochry (Faskally) | Dir. Brown Trout Res. Lab. | 5 | 1 0 | 400 | ... | 28·01 | 189 | 131 |
| d | Loch Tummel (Strathtummel P.O.) | N. of S. Hydro-Electric Bd. | 5 | 1 0 | 660 | ... | 28·07 | ... | ... |
| d | Pitlochry (Bonskeid) | Hon. Mrs. G. F. Barbour | 5 | 1 0 | 540 | 33·0 | 29·36 | 169 | 135 |
| M | Pitlochry (Allt Girnaig) | County Engineer, Perth | 5 | 1 0 | 850 | ... | 30·75 | ... | ... |
| D | Fincastle House | Hon. Mrs. G. F. Barbour | 5 | 1 0 | 980 | 35·4 | 28·70 | 168 | 123 |
| d | Ericht Dam | N. of S. Hydro-Electric Bd. | 5 | 1 0 | 1196 | 54·1 | 47·07 | ... | ... |
| D | Struan (Auchleeks) | Miss Robertson | 5 | 1 0 | 710 | 45·5 | 33·90 | 195 | 146 |
| W | Auchleeks | N. of S. Hydro-Electric Bd. | 5 | 1 0 | 1500 | ... | 38·33 | ... | ... |
| D | Blair Atholl (Blair Castle Gardens) | Mr. A. B. Duguid | 5 | 1 0 | 500 | 33·6 | 27·08 | 186 | 121 |
| d | Edendon Bridge | N. of S. Hydro-Electric Bd. | 5 | 1 0 | 1029 | ... | 41·93 | 174 | 135 |
| W | Dalnaspidal (Luidhearnaidh) | N. of S. Hydro-Electric Bd. | 5 | 1 4 | 1710 | 63·4 | 55·95 | ... | ... |
| D | Glen Bruar (Bruar Lodge) No. 1 | N. of S. Hydro-Electric Bd. | 5 | 1 0 | 1500 | 44·9 | 36·70 | 246 | 167 |
| M | Edendon (Sronphadruig Lodge) | N. of S. Hydro-Electric Bd. | 5 | 1 0 | 1630 | ... | 55·73 | ... | ... |
| | **15.—TAY. Isla. 282 sq. mi.** | | | | | | | | |
| D | Blairgowrie (Bankhead) | W. A. Coutts, Esq. | 5 | 1 2 | 230 | ... | 24·35 | 161 | 111 |
| D | Dunkeld (Cardney) | A. R. Macgregor, Esq. | 5 | 1 0 | 350 | 37·4 | 30·42 | 149 | 122 |
| d | Dunkeld (Riechip Lodge) | Mrs. E. Crammond | 5 | 1 0 | 1000 | ... | 28·86 | (141) | (117) |
| | Loch Benachally | Blairgowrie Dist. Water Bd. | 8 | 1 0 | 1007 | 40·4 | 32·53 | ... | ... |
| d | Kirkmichael (Ballintuim House) | W. H. Bell, Esq. | 5 | 1 4 | 700 | 40·3 | 29·44 | 187 | 138 |
| | **16.—TAY. Left Bank Tributaries. 51 sq. mi.** | | | | | | | | |
| | Balbeggie (Montague Reservoir) | Water Engineer, Perth | 5 | 1 0 | 530 | ... | 25·02 | ... | ... |
| | **17.—FIRTH OF TAY. 45 sq. mi.** | | | | | | | | |
| | Errol (Fingask) | Water Engineer, Perth | 5 | 1 0 | 550 | ... | 22·93 | ... | ... |

## DIVISION XVI—EAST MIDLAND COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge: Diam. | Rain-gauge: Height of Rim above Ground | Rain-gauge: Height of Ground above Sea Level | Average Rainfall | 1952: Rainfall | 1952: Days with ·01 in. or more | 1952: Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | PERTHSHIRE—(*contd.*). | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **18.—SPEY. Right Bank Tributaries. 1 sq. mi.** | | | | | | | | |
| | **19.—LOCH LINNHE. Left Bank Tributaries. 2 sq. mi.** | | | | | | | | |
| | **20.—CLYDE. Leven. 36 sq. mi.** | | | | | | | | |
| | Lairig (Arnan) ... ... ... ... | N. of S. Hydro-Electric Bd. | 5 | 1 0 | 1115 | ... | 99·84 | ... | ... |
| | Dubh Eas ... ... ... ... | N. of S. Hydro-Electric Bd. | 5 | 1 0 | 1210 | ... | 96·08 | ... | ... |
| | **ANGUS. (Area, 875 sq. mi.)** | | | | | | | | |
| | **1.—TAY. Isla. 211 sq. mi.** | | | | | | | | |
| d | Glamis Castle ... ... ... ... | Mr. D. McInnes ... ... | 5 | 0 7 | 250 | 30·9 | 26·95 | ... | 114 |
| D | Kirriemuir (Lintrathen) ... (+A) | R. Little, Esq., C.E. ... | 8 | 1 0 | 700 | 34·7 | 29·85 | 176 | 125 |
| M | Kirriemuir (Balnakeilly) ... ... | R. Little, Esq., C.E. ... | 5 | 1 0 | 700 | 34·1 | 30·55 | ... | ... |
| M | Kirriemuir (Dykends) ... ... ... | R. Little, Esq., C.E. ... | 5 | 1 0 | 750 | 36·4 | 35·15 | ... | ... |
| M | Kirriemuir (Backwater) ... ... | R. Little, Esq., C.E. ... | 5 | 1 0 | 850 | 39·7 | 33·90 | ... | ... |
| M | Kirriemuir (Westerton) ... ... | R. Little, Esq., C.E. ... | 5 | 1 0 | 900 | 40·5 | 34·30 | ... | ... |
| M | Kirriemuir (Macritch) ... ... | R. Little, Esq., C.E. ... | 5 | 1 0 | 1300 | 38·7 | (35·62) | ... | ... |
| M | Kirriemuir (Newton) ... ... ... | R. Little, Esq., C.E. ... | 5 | 1 0 | 735 | 37·4 | 32·70 | ... | ... |
| M | Kirriemuir (Longdrum) ... ... | R. Little, Esq., C.E. ... | 5 | 1 0 | 1045 | 39·3 | 36·20 | ... | ... |
| M | Kirriemuir (Glendye) ... ... ... | R. Little, Esq., C.E. ... | 6 | 1 0 | 1050 | 44·9 | 37·35 | ... | ... |
| M | Kirriemuir (Barney) ... ... ... | R. Little, Esq., C.E. ... | 5 | 1 0 | 1170 | 40·2 | 38·20 | ... | ... |
| M | Kirriemuir (Glenhead) ... ... | R. Little, Esq., C.E. ... | 5 | 1 0 | 1260 | 43·1 | (38·30) | ... | ... |
| M | Kirriemuir (Dalvanie) ... ... ... | R. Little, Esq., C.E. ... | 5 | 1 0 | 1020 | 42·7 | 37·80 | ... | ... |
| M | Kirriemuir (Glen Damff) ... ... | R. Little, Esq., C.E. ... | 5 | 1 0 | 1360 | 43·7 | 39·80 | ... | ... |
| | **2.—FIRTH OF TAY. 80 sq. mi.** | | | | | | | | |
| D | Carnoustie (Buddon Ness Light) ... | Dundee Harbour Trust ... | 5 | 1 0 | 15 | 26·4 | 20·66 | 161 | 104 |
| D | Dundee (Harbour) ... ... ... | Dundee Harbour Trust ... | 5 | 1 0 | 13 | 27·4 | 19·28 | 157 | 101 |
| D | Dundee (Stobsmuir Reservoir) ... | R. Little, Esq., C.E. ... | 5 | 1 0 | 278 | ... | 21·92 | 161 | 118 |
| d | Dundee (Camperdown Works) ... | Cox Bros. Ltd. ... ... | 5 | 1 0 | 300 | 26·8 | 22·38 | ... | 99 |
| D | Dundee (Mayfield) ... ... ... | Director of Studies ... | 8 | 1 0 | 147 | 26·2 | 22·36 | 161 | 117 |
| D | Dundee (Clatto Reservoir) ... ... | R. Little, Esq., C.E. ... | 8 | 1 2 | 498 | ... | 22·99 | 186 | 123 |
| | **3.—SOUTH ESK & C. 371 sq. mi.** | | | | | | | | |
| D | Carnoustie ... ... ... ... | Burgh Surveyor ... ... | 8 | 1 0 | 17 | 27·2 | 21·91 | 173 | 109 |
| D | Monikie Reservoir ... ... ... | R. Little, Esq., C.E. ... | 5 | 1 0 | 494 | 34·7 | 25·89 | 186 | 119 |
| D | Monikie (Crombie Reservoir) ... | R. Little, Esq., C.E. ... | 5 | 1 0 | 528 | 35·2 | 26·57 | 171 | 118 |
| M | Monikie (Fallaws) ... ... ... | R. Little, Esq., C.E. ... | 8 | 3 0 | 585 | 33·2 | 26·19 | ... | ... |
| D | Arbroath (Springfield Park) ... ... | Town Council ... ... | 5 | 1 0 | 95 | 25·6 | 19·80 | 158 | 104 |
| W | Arbroath (Muirheads Reservoir) ... | Burgh Engineer ... ... | 5 | 1 0 | 251 | 28·1 | 20·11 | ... | ... |
| D | Forfar (Pitscandly House) ... ... | Mrs. Ewen ... ... ... | 5 | 1 8 | 300 | ... | 22·18 | 140 | 103 |
| D | Montrose ... ... ... ... | Burgh Surveyor ... ... | 5 | 1 0 | 16 | 26·2 | 21·73 | 156 | 108 |
| D | Forfar W.W. (Den of Ogil) ... ... | Alex. C. Millar, Esq. ... | 12×4 | 3 1 | 633 | 39·4 | 33·48 | 182 | 132 |
| D | Glenogil (Waterworks)... ... ... | Burgh Engineer, Arbroath... | 5 | 1 0 | 690 | 40·9 | 31·80 | 164 | 121 |
| M | Glen Prosen (Cormuir) ... ... | R. Little, Esq., C.E. ... | 5 | 1 0 | 870 | 53·1 | (37·15) | ... | ... |
| | **4.—NORTH ESK & C. 213 sq. mi.** | | | | | | | | |
| D | Montrose (Sunnyside Asylum) ... | Medical Superintendent ... | 5 | 0 10 | 200 | 27·0 | 22·91 | 178 | 115 |
| D | Brechin (Stracathro Hospital)... ... | Medical Superintendent ... | 5 | 1 0 | 120 | ... | 24·20 | 166 | 114 |

## DIVISION XVII—NORTH-EASTERN COUNTIES

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | **KINCARDINESHIRE. (Area, 382 sq. mi.)** | | | | | | | | |
| | **1.—NORTH ESK & C. 99 sq. mi.** | | | | | | | | |
| D | Fettercairn (Fasque) ... ... ... | A. C. Gladstone, Esq. ... | 5 | 0 10 | 320 | 36·0 | 31·56 | 179 | 136 |
| D | Fettercairn (Glensaugh) ... (+A) | N. of S. College of Ag. ... | 5 | 1 0 | 560 | ... | 39·52 | 209 | 151 |
| d | Fordoun (Auchenblae) ... ... | G.W.McConachie,Esq.M.A. | 5 | 1 0 | 362 | 33·2 | 33·80 | ... | ... |

## DIVISION XVII—NORTH-EASTERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1952 Rainfall | 1952 Days with ·01 in. or more | 1952 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | KINCARDINESHIRE—(*contd.*). | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **2.—BERVIE, COWIE & C. 139 sq. mi.** | | | | | | | | |
| | Todhead Point Lighthouse | Com'rs. of N. Lighthouses | 5 | 1 9 | 114 | ... | 22·50 | 191 | 116 |
| D | STONEHAVEN | Town Council | 5 | 1 0 | 125 | 27·4 | 28·21 | 193 | 137 |
| D | MUCHALLS | N. of S. College of Ag. | 5 | 1 0 | 210 | ... | 27·22 | 191 | 127 |
| | Girdleness Lighthouse | Com'rs. of N. Lighthouses | 7 | 4 0 | 89 | ... | 26·73 | ... | 119 |
| | **3.—DEE. 144 sq. mi.** | | | | | | | | |
| D | Strachan (Bridge of Dye) | A. C. Gladstone, Esq. | 5 | 1 0 | 513 | 43·9 | 37·04 | 194 | 141 |
| D | Banchory (Invery) | Major Jas. Kerr | 5 | 1 0 | 225 | 34·8 | 32·93 | 203 | 143 |
| D | Banchory (Invercannie) | A. G. Booth, Esq., C.E. | 5 | 0 9 | 208 | 31·9 | 28·42 | 201 | 123 |
| | **ABERDEENSHIRE. (Area, 1,974 sq. mi.)** | | | | | | | | |
| | **1.—DEE. 672 sq. mi.** | | | | | | | | |
| D | Glen Muick (Allt na Guibhsaich) | A. G. Booth, Esq., C.E. | 5 | 1 0 | 1370 | 45·1 | 40·01 | 261 | 167 |
| M | Glen Muick (Inchnabobart) | A. G. Booth, Esq., C.E. | 5 | 1 0 | 1270 | 41·9 | 36·91 | ... | ... |
| D | §Aitnach | A. G. Booth, Esq., C.E. | 5 | 1 0 | 1260 | 41·9 | 41·93 | 226 | 162 |
| D | BRAEMAR (Bank) | R. A. Lees, Esq. | 5 | 1 0 | 1111 | 35·4 | 30·75 | 226 | 151 |
| D | Braemar (Derry Lodge) | A. G. Booth, Esq., C.E. | 5 | 1 0 | 1400 | 38·1 | 39·55 | 228 | 166 |
| d | Ballater (Birkhall Sawmill) | Forestry Commission | 5 | 1 1 | 650 | ... | 32·81 | 181 | 132 |
| D | Glen Tanar (Mansion House) | Lord Glentanar | 5 | 1 0 | 553 | ... | 31·97 | 191 | 143 |
| D | BALMORAL Castle Gardens (+A) | Mr. E. Stuart | 5 | 1 0 | 927 | 33·0 | 32·08 | 231 | 145 |
| d | §Ballater (Irrigation Farm) | A. G. Booth, Esq., C.E. | 5 | 1 0 | 633 | 33·2 | 34·81 | ... | ... |
| M | Beinn Bhreac | A. G. Booth, Esq., C.E. | 5 | 1 0 | 2700 | 47·1 | 47·08 | ... | ... |
| d | Aboyne (Irrigation Farm) | A. G. Booth, Esq., C.E. | 5 | 1 0 | 380 | 31·9 | 27·54 | 202 | 127 |
| D | Glen Gairn (Gairn Shiel Lodge) | A. G. Booth, Esq., C.E. | 5 | 1 0 | 1100 | 34·4 | 33·60 | 226 | 161 |
| M | Glen Gairn (Corndavon) | A. G. Booth, Esq., C.E. | 5 | 1 0 | 1500 | ... | 32·55 | ... | ... |
| M | Lumphanan | A. G. Booth, Esq., C.E. | 5 | 1 0 | 490 | 31·6 | 30·73 | ... | ... |
| D | Drumoak (Drum Castle) | H. Q. Forbes Irvine, Esq. | 5 | 1 0 | 320 | 30·9 | 33·74 | 233 | 151 |
| d | Tarland (Irrigation Farm) | A. G. Booth, Esq., C.E. | 5 | 1 0 | ... | ... | 29·34 | 202 | 140 |
| D | LOGIE COLDSTONE School | Jas. R. Ferguson, Esq., M.A. | 5 | 1 0 | 608 | 30·9 | 30·71 | 220 | 145 |
| W | Bieldside (Netherton Lodge) | J. A. Ross, Esq. | 8 | 1 0 | 675 | ... | 32·05 | ... | ... |
| D | ABERDEEN (MANNOFIELD RES.) (+A) | City Engineer, Aberdeen | 5 | 1 0 | 171 | 30·5 | 29·71 | 213 | 142 |
| D | Craigiebuckler | Macaulay Inst. Soil Research | 5 | 1 0 | 220 | ... | 34·16 | 217 | 159 |
| | **2.—DON. 512 sq. mi.** | | | | | | | | |
| D | Strathdon (Tornashean) | Mr. G. A. Crawford | 5 | 1 0 | 1000 | ... | 36·22 | 218 | 176 |
| D | Bridge of Don (Braehead) | The Marquis of Aberdeen | 5 | 1 0 | 114 | ... | 27·46 | 198 | 130 |
| D | Craibstone (South Meethill Field) | Macaulay Inst. Soil Research | 5 | 1 0 | 275 | 33·6 | 33·66 | 230 | 152 |
| D | Dyce (CRAIBSTONE) | College of Agriculture | 8 | 1 0 | 300 | 32·3 | 33·01 | 215 | 149 |
| D | DYCE (Aberdeen Airport) (+A) | Meteorological Office | 5 | 1 0 | 241 | ... | 31·92 | 211 | 145 |
| D | Alford (Littlewood Park) | Sir Alan McLean | 5 | 1 0 | 750 | ... | 39·22 | 214 | 164 |
| | **3.—YTHAN & C. 285 sq. mi.** | | | | | | | | |
| D | Ellon (Esslemont House) | Mrs. Wolrige Gordon | 5 | 1 0 | 100 | ... | 32·38 | 240 | 154 |
| D | Haddo House | Major D. Gordon | 5 | 1 0 | 186 | 31·5 | 33·50 | 222 | 170 |
| D | Fyvie Castle | Sir Ian Forbes-Leith, Bt. | 5 | 1 0 | 200 | 33·9 | 34·93 | 207 | 185 |
| | **4.—UGIE & C. 257 sq. mi.** | | | | | | | | |
| D | New Deer (School House) | C. S. Henderson, Esq. | 5 | 1 0 | 397 | 32·3 | 35·36 | 237 | 174 |
| D | Peterhead (Forehill Works) | J. Coull, Esq., C.E. | 5 | 0 8 | 133 | 30·3 | 28·74 | 209 | 147 |
| D | Peterhead (Mains of Buthlaw) | W. Johnston, Esq. | 5 | 1 6 | 120 | 30·3 | 32·55 | 229 | 161 |
| D | Fedderate Reservoir | G. S. Stewart, Esq. | 5 | 0 9 | 410 | ... | 36·87 | 254 | 174 |
| D | RATTRAY HEAD (C. G. Station) (+A) | Coastguard, for M.O. | 5 | 1 0 | 85 | ... | 28·33 | 221 | 162 |
| | **5.—DEVERON & C. 248 sq. mi.** | | | | | | | | |

§ Turf wall round gauge.

## DIVISION XVII—NORTH-EASTERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge: Diam. | Rain-gauge: Height of Rim above Ground | Rain-gauge: Height of Ground above Sea Level | Average Rainfall | 1952: Rainfall | 1952: Days with ·01 in. or more | 1952: Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **BANFFSHIRE. (Area, 630 sq. mi.)** | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **1.—YTHAN. 1 sq. mi.** | | | | | | | | |
| | **2.—DEVERON & C. 344 sq. mi.** | | | | | | | | |
| D | Cabrach Manse | County Road Surveyor | 5 | 1 0 | 1025 | ... | 40·05 | 236 | 177 |
| D | Drummuir Castle | H. G. Brown, Esq. | 5 | 1 10 | 620 | 36·4 | 40·50 | 216 | 186 |
| D | Easterfield School | T. H. Smith, Esq. | 5 | 1 0 | 450 | ... | 36·46 | 200 | 156 |
| d | Keith (Isla Bank Mills) | G. & G. Kynoch, Ltd. | 5 | 1 0 | 360 | ... | 42·96 | 238 | 184 |
| D | Turriff (Forglen Gardens) | Mr. S. Barclay | 5 | 1 0 | 220 | 31·9 | 34·31 | 218 | 163 |
| D | BANFF | Town Council (I. H. Gordon) | 5 | 0 9 | 130 | 26·8 | 28·58 | 223 | 152 |
| d | Buckie (Rochomie) | Burgh Surveyor | 5 | 1 0 | 287 | 27·0 | 26·40 | ... | ... |
| D | Cullen House Gardens | C. A. Ritchie, Esq. | 5 | 1 2 | 150 | 30·6 | 29·44 | 239 | 163 |
| | **3.—SPEY. Right Bank Tributaries. 285 sq. mi.** | | | | | | | | |
| D | GLENLIVET (Clashnoir) | Walter Duncan, Esq., for M.O. | 5 | 1 0 | 1050 | ... | 34·27 | 227 | 180 |
| D | Dufftown (Glenrinnes Manse) | Rev. W. Gardiner | 5 | 1 0 | 995 | ... | 39·89 | 227 | 199 |
| D | Ballindalloch | R. McIntosh, Esq. | 8 | 1 0 | 630 | 33·7 | 36·16 | 240 | 181 |
| | **MORAYSHIRE. (Area, 477 sq. mi.)** | | | | | | | | |
| | **1.—DEVERON & C. 7 sq. mi.** | | | | | | | | |
| | **2.—SPEY. Right Bank Tributaries. 35 sq. mi.** | | | | | | | | |
| D | FOCHABERS (Gordon Castle) | Col. G. C. Gordon Lennox, C.V.O., D.S.O. | 5 | 1 0 | 104 | 29·8 | 30·69 | 207 | 175 |
| | **3.—SPEY. Left Bank Tributaries. 133 sq. mi.** | | | | | | | | |
| D | Grantown-on-Spey (Moniack) | H. Grant Cumming, Esq. | 5 | 1 0 | 700 | ... | 30·83 | 231 | 170 |
| | **4.—LOSSIE & C. 154 sq. mi.** | | | | | | | | |
| D | Forres (Dallas Lodge) | Brig. H. W. Houldsworth | 5 | 1 0 | 600 | ... | 32·59 | 215 | 177 |
| D | Kellas (Kellas House) | Mrs. Christie | 5 | 2 0 | 446 | 31·4 | 37·18 | 216 | 176 |
| D | Lhanbryde (Blackhills House) | Mr. W. Dunbar | 5 | 1 0 | 310 | 32·0 | 33·64 | 213 | 179 |
| D | Elgin (Kirkhill) | Mrs. M. D. MacDonald | 5 | 1 7 | 35 | ... | 25·35 | 231 | 161 |
| D | Elgin (The Bield) | Mrs. Harrison | 5 | 1 4 | 120 | ... | 24·23 | 213 | 153 |
| D | ELGIN (Cemetery) | Town Council | 5 | 1 1 | 92 | ... | 22·97 | 202 | 149 |
| D | Elgin (Lesmurdie) | Mrs. J. G. Norman | 5 | 1 0 | 114 | 26·9 | 25·81 | 217 | 161 |
| D | Elgin (Newton Nursery) | Forestry Commission | 5 | 1 0 | 75 | ... | 22·32 | 206 | 146 |
| | **5.—FINDHORN & C. 148 sq. mi.** | | | | | | | | |
| D | FORRES (Hydro) | Town Clerk | 5 | 1 0 | 155 | ... | 22·85 | 207 | 138 |
| D | Kintessack (Culbin) | Mr. W. G. Milne | 5 | 1 0 | 28 | ... | 22·16 | 232 | 141 |
| D | KINLOSS (Airfield) | (+A) Meteorological Office | 5 | 1 0 | 16 | ... | 20·89 | 199 | 136 |
| | **NAIRNSHIRE. (Area, 163 sq. mi.)** | | | | | | | | |
| | **1.—FINDHORN & C. 102 sq. mi.** | | | | | | | | |
| D | Ardclach (Glenferness) | Mr. J. May | 8 | 1 0 | 700 | 34·8 | 37·01 | 221 | 169 |
| D | Lethen | Major D. J. Brodie | 5 | 1 6 | 300 | ... | 28·00 | 197 | 145 |
| | **2.—NAIRN & C. 61 sq. mi.** | | | | | | | | |
| D | Cawdor (Auchindoune) | Col. the Hon. I. M. Campbell | 5 | 1 0 | 425 | ... | 27·02 | 230 | 159 |
| D | Cawdor Castle | Mr. James Taylor | 5 | 0 9 | 225 | 29·2 | 25·76 | 224 | 161 |
| D | Nairn (Firhall) | Lt.-Col. Angus Cameron | 5 | 1 0 | 55 | 24·7 | 22·82 | 209 | 145 |
| D | Nairn (Balblair) | Major R. H. Allanby | 5 | 1 9 | 94 | 24·7 | 24·10 | 192 | 157 |
| D | Nairn (Achareidh) | Major K. S. Clarke | 8 | 1 0 | 59 | 23·9 | 20·78 | 215 | 148 |
| D | NAIRN (Golf Course) | Town Clerk | 8 | 1 0 | 20 | 22·5 | 21·39 | 209 | 140 |

# DIVISION XVIII—NORTH-WESTERN COUNTIES

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1952 Rainfall | 1952 Days with ·01 in. or more | 1952 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **INVERNESS-SHIRE. (Area, 4,146 sq. mi.)** | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **1.—TAY. Tummel. 28 sq. mi.** | | | | | | | | |
| | **2.—SPEY. Right Bank Tributaries. 437 sq. mi.** | | | | | | | | |
| D | DALWHINNIE | G. Ritchie, Esq., for M.O. | 8 | 1 0 | 1176 | 46·7 | 40·13 | 229 | 162 |
| M | **Loch Seilich (Gaick Lodge)** | N. of S. Hydro-Electric Bd. | 5 | 1 0 | 1430 | ... | 44·11 | ... | ... |
| D | Loch an t-Seilich | N. of S. Hydro-Electric Bd. | 5 | 1 0 | 1430 | 46·6 | 40·82 | 251 | 169 |
| M | §Loch Cuaich | N. of S. Hydro-Electric Bd. | 5 | 1 0 | 1340 | ... | 34·33 | ... | ... |
| D | Glenshero | British Aluminium Co. Ltd. | 8 | 0 10 | 880 | 45·9 | 42·99 | 229 | 191 |
| D | Loch Morlich (GLENMORE LODGE) | D. of Field Studies, for M.O. | 5 | 1 0 | 1075 | ... | 36·37 | 246 | 178 |
| d | Loch Morlich (Badaguish) | J. Fraser, Esq. | 5 | 1 0 | 1100 | ... | 32·13 | 210 | 186 |
| | **3.—SPEY. Left Bank Tributaries. 257 sq. mi.** | | | | | | | | |
| D | Cluny Castle | G. A. Sinclair, Esq. | 5 | 1 0 | 816 | 39·9 | 38·09 | 249 | 186 |
| M | Glen Spey (Mealgarve) | British Aluminium Co. Ltd. | 8 | 1 0 | 1135 | 55·2 | (49·30) | ... | ... |
| D | Laggan (Gergask) | Mrs. J. A. Gillies | 8 | 1 5 | 900 | ... | 37·41 | 251 | 179 |
| D | Kingussie | Miss Jessie Dallas | 8 | 1 0 | 800 | ... | 36·50 | 292 | 218 |
| | **4.—FINDHORN. 164 sq. mi.** | | | | | | | | |
| D | Tomatin (Dalmigavie Lodge) | C. W. Christie-Miller, Esq. | 5 | 1 2 | 1150 | 42·5 | 39·41 | 238 | 183 |
| | **5.—NAIRN & C. 131 sq. mi.** | | | | | | | | |
| D | Dalcross Airfield (+A) | Meteorological Office | 5 | 1 0 | 35 | ... | 21·16 | 204 | 127 |
| | **6.—NESS. Right Bank Tributaries. 252 sq. mi.** | | | | | | | | |
| d | Invergarry (Aberchalder Lodge) | N. of S. Hydro-Electric Bd. | 5 | 1 0 | 180 | ... | 42·77 | 197 | 166 |
| d | Fort Augustus (Ardachie) | A. T. Bruen, Esq. | 5 | 1 0 | 100 | 46·5 | 46·11 | 244 | 178 |
| D | Fort Augustus (Auchterawe) | Forestry Commission | 5 | 0 6 | 136 | 47·7 | 46·85 | 227 | 183 |
| D | FORT AUGUSTUS (Abbey) | Procurator | 5 | 1 0 | 68 | ... | 42·09 | 245 | 174 |
| D | Loch Ness (Garthbeg) | British Aluminium Co. Ltd. | 8 | 1 0 | 630 | 40·1 | 39·47 | 256 | 193 |
| D | Loch Ness (Foyers) | British Aluminium Co. Ltd. | 8 | 1 0 | 52 | 38·2 | 35·60 | 236 | 162 |
| D | Loch Ness (Aberchalder) | British Aluminium Co. Ltd. | 8 | 1 0 | 700 | 39·4 | 34·38 | 244 | 181 |
| W | Loch Ashie | Town Council | 5 | 1 0 | 718 | 33·0 | 28·15 | ... | ... |
| D | INVERNESS (Culduthel Reservoir) | Town Council | 5 | 1 0 | 242 | 27·6 | 25·70 | 221 | 154 |
| | **7.—NESS. Garry & c. 185 sq. mi.** | | | | | | | | |
| D | Loch Quoich (Kinlochquoich) | Major Cameron of Lochiel | 5 | 1 0 | 580 | 117·1 | 125·88 | 250 | 223 |
| D | Invergarry (Craigard) | N. of S. Hydro-Electric Bd. | 5 | 1 0 | 181 | ... | 50·37 | 225 | 182 |
| D | Loch Quoich (Glenquoich) | Mr. R. McRae* | 5 | 1 2 | 569 | 110·7 | 107·23 | 250 | 225 |
| | **8.—NESS. Moriston. 120 sq. mi.** | | | | | | | | |
| d | Glenmoriston (Blairie) | N. of S. Hydro-Electric Bd. | 5 | 1 0 | 229 | ... | 39·99 | ... | ... |
| d | Glenmoriston (Invermoriston Hotel) | N. of S. Hydro-Electric Bd. | 5 | 1 0 | 70 | 44·0 | 38·31 | ... | ... |
| D | Invermoriston (Allt Saigh) | N. of S. Hydro-Electric Bd. | 5 | 1 1 | 95 | 41·2 | 39·82 | 181 | 161 |
| | **9.—NESS. Enrick. 131 sq. mi.** | | | | | | | | |
| d | Glen Urquhart House | Capt. Bosworth-Martin | 5 | 1 3 | 470 | 36·1 | 32·54 | 198 | 150 |
| | **10.—BEAULY. 341 sq. mi.** | | | | | | | | |
| M | Glen Affric (Creag na Calman) | N. of S. Hydro-Electric Bd. | 5 | 1 0 | 1050 | 71·7 | 72·00 | ... | ... |
| D | Glen Affric (Affric Lodge) | N. of S. Hydro-Electric Bd. | 5 | 1 0 | 765 | 59·4 | 57·80 | 235 | 203 |
| M | Glen Fiadh | N. of S. Hydro-Electric Bd. | 5 | 1 0 | 1550 | 83·3 | 85·15 | ... | ... |
| d | Glen Affric (Benevean Dam) | N. of S. Hydro-Electric Bd. | 5 | 1 0 | 762 | ... | 49·96 | ... | ... |
| D | Cannich (Balcladaich) | Forestry Commission | 5 | 1 0 | 350 | ... | 42·14 | 204 | 174 |
| D | Cannich (Fasnakyle) | N. of S. Hydro-Electric Bd. | 5 | 1 0 | 264 | 42·6 | 38·72 | 197 | 155 |
| d | Glen Cannich (Mullardoch Dam) (+A) | N. of S. Hydro-Electric Bd. | 5 | 1 0 | 672 | ... | 69·98 | ... | ... |
| D | Strathglass (Glassburn) | Maj.-Gen. A. L. Collier, C.B.E. | 5 | 1 0 | 170 | ... | 42·27 | 228 | 164 |

§ Turf wall round gauge.

* *Per* Capt. W. N. McClean (River Flow Records).

## DIVISION XVIII—NORTH-WESTERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge: Diam. | Rain-gauge: Height of Rim above Ground | Rain-gauge: Height of Ground above Sea Level | Average Rainfall | 1952: Rainfall | 1952: Days with ·01 in. or more | 1952: Days with ·04 in or more |
|---|---|---|---|---|---|---|---|---|---|
| | **INVERNESS-SHIRE—(*contd.*).** | | *in.* | *ft.* | *in.* | *ft.* | *in.* | *in.* | | |
| | **11.—CROMARTY FIRTH. 13 sq. mi.** | | | | | | | | | |
| | **12.—SOUND OF SLEAT. 259 sq. mi.** | | | | | | | | | |
| D | Arisaig (Traigh House) | Mrs. Vera Shaw Stewart | 5 | 1 | 0 | 20 | ... | 56·89 | 234 | 202 |
| D | Loch Morar (Rhubana) | N. of S. Hydro-Electric Bd. | 5 | 1 | 0 | 52 | ... | 67·95 | 253 | 218 |
| D | Loch Nevis (Inverie Gardens) | Mr. C. Broadfoot | 5 | 1 | 0 | 15 | 84·0 | 81·27 | 239 | 211 |
| D | Loch Hourn (Kinlochourn) | Ewen MacRae, Esq. | 5 | 1 | 0 | 18 | 100·7 | 107·54 | 248 | 233 |
| | **13.—SOUND OF ARISAIG. 126 sq. mi.** | | | | | | | | | |
| D | Loch Ailort (Polnish) | C. M. Wedderburn, Esq. | 5 | 1 | 0 | 120 | 78·0 | 73·51 | 253 | 215 |
| D | Arisaig House | Mr. J. MacPherson | 5 | 1 | 0 | 40 | 62·9 | 62·24 | 266 | 215 |
| | **14.—LOCH LINNHE. Right Bank Tributaries. 48 sq. mi.** | | | | | | | | | |
| | **15.—LOCHY. Right Bank Tributaries. 143 sq. mi.** | | | | | | | | | |
| D | Glen Loy (Erracht) | Major E. C. Cameron | 5 | 1 | 0 | 150 | 79·8 | 70·44 | 240 | 197 |
| D | Loch Arkaig (Achnacarry) | Col. Sir D. W. Cameron of Lochiel | 5 | 1 | 0 | 128 | 80·6 | 67·90 | 248 | 189 |
| D | Clunes (Loch Lochy West) | Col. Sir D. W. Cameron of Lochiel | 5 | 1 | 6 | 110 | 73·6 | 66·55 | 205 | 185 |
| M | Clunes (Kilmallie) | A. W. Morrison, Esq. | 5 | 1 | 0 | 1050 | ... | 71·00 | ... | ... |
| | **16.—LOCHY. Left Bank Tributaries. 362 sq. mi.** | | | | | | | | | |
| | Fort William (Allt a'Mhuilinn) | British Aluminium Co. Ltd. | 8 | 1 | 0 | 1000 | 83·6 | 66·37 | ... | ... |
| D | Fort William (The Factory) | British Aluminium Co. Ltd. | 8 | 1 | 0 | 75 | 73·0 | 60·18 | 231 | 182 |
| | Spean Bridge (The Cour) | British Aluminium Co. Ltd. | 5 | 1 | 0 | 1050 | 92·4 | 79·69 | ... | ... |
| | Sgurr Finisgaig | British Aluminium Co. Ltd. | 8 | 1 | 0 | 1850 | 89·4 | 70·61 | ... | ... |
| D | Loch Treig (Fersit) | British Aluminium Co. Ltd. | 8 | 1 | 0 | 850 | 62·9 | 67·49 | 211 | 185 |
| M | Loch Pattack | Sir J. F. Ramsden, Bart. | 5 | 0 | 9 | 1420 | 58·8 | 52·75 | ... | ... |
| M | Glen Spean (Craigbeg) | British Aluminium Co. Ltd. | 8 | 1 | 0 | 860 | 58·6 | (55·56) | ... | ... |
| D | Spean Bridge (Spean Lodge) | Mr. Donald Cameron | 5 | 1 | 3 | 200 | 64·5 | 55·44 | 233 | 181 |
| | Loch Lochy (Invergloy) | Miss J. Allan | 5 | 1 | 0 | 200 | 67·1 | 59·52 | ... | ... |
| D | Loch Laggan (Ardverikie) | Sir J. F. Ramsden, Bart. | 5 | 0 | 6 | 838 | 54·0 | 48·47 | 220 | 174 |
| | **17.—LOCH LINNHE. Left Bank Tributaries. 120 sq. mi.** | | | | | | | | | |
| D | ONICH | Forestry Commission | 5 | 1 | 3 | 48 | 77·4 | 74·46 | 231 | 215 |
| D | Onich (Corran Gardens) | R. W. Paine, Esq. | 5 | 1 | 0 | 72 | ... | 69·57 | 244 | 193 |
| D | Glenleven (Blackwater Dam, N.) | British Aluminium Co. Ltd. | 8 | 1 | 0 | 1072 | 85·5 | 77·12 | 267 | 206 |
| D | FORT WILLIAM (Teviot) (+A) | J. W. Ainslie, Esq. | 8 | 1 | 0 | 34 | 78·9 | 66·91 | 234 | 182 |
| D | Fort William (Glasdrum) | British Aluminium Co. Ltd. | 5 | 1 | 0 | 216 | 75·9 | 68·28 | 231 | 193 |
| | **18.—INSULAR. INNER HEBRIDES. 832 sq. mi.** | | | | | | | | | |
| D | Isle of Eigg | Rt. Hon. Viscount Runciman | 5 | 1 | 0 | 120 | 59·2 | 53·19 | 234 | 195 |
| d | Skye (Glenbrittle) (+A) | Mr. Ewen MacRae | 5 | 1 | 0 | 30 | ... | 82·99 | 268 | 231 |
| D | Skye (Broadford) | Dr. B. P. Miesner | 5 | 1 | 0 | 23 | 76·8 | 71·08 | 264 | 212 |
| D | Skye (Kyleakin, Dunringell) | W. A. Douglas-Hamilton, Esq. | 5 | 1 | 0 | 70 | ... | 59·07 | 268 | 205 |
| D | Skye (Grula) | Forestry Commission | 5 | 1 | 0 | 60 | ... | 82·97 | 271 | 234 |
| D | Skye (Tallisker) | James A. Cameron, Esq. | 5 | 1 | 0 | 15 | ... | 62·44 | 255 | 229 |
| D | Skye (Loch Harport, Carbost) | Mr. D. M. MacCaskill | 5 | 1 | 0 | 160 | ... | 87·24 | 264 | 238 |
| D | Skye (Portree) | Mr. D. Stewart | 5 | 1 | 0 | 65 | 73·1 | 63·68 | 246 | 223 |
| d | Skye (Loch Leathan) | N. of S. Hydro-Electric Bd. | 5 | 0 | 9 | 480 | ... | 71·99 | 264 | 224 |
| D | Skye (DUNTULM ,Kilmuir) | Seton Gordon, Esq., C.B.E. | 5 | 1 | 0 | 294 | 53·5 | 53·57 | 276 | 221 |

## DIVISION XVIII—NORTH-WESTERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Height of Rim above Ground | Height of Ground above Sea Level | Average Rainfall | 1952 Rainfall | Days with ·01 in. or more | Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | INVERNESS-SHIRE—(*contd.*). | | *in.* | *ft.* *in.* | *ft.* | *in.* | *in.* | | |
| | **19.—INSULAR. OUTER HEBRIDES. 243 sq. mi.** | | | | | | | | |
| D | BENBECULA Airport ... ... | (+A) Meteorological Office ... | 5 | 1 0 | 16 | ... | 48·77 | 262 | 197 |
| D | Harris (Kyles Lodge) ... ... ... | W. H. Lomas, Esq.... ... | 5 | 1 0 | 20 | ... | 62·20 | 257 | 227 |
| | **ROSS & CROMARTY. (Area, 3.237 sq. mi.)** | | | | | | | | |
| | **1.—NESS. Moriston. 35 sq. mi.** | | | | | | | | |
| | **2.—BEAULY. 109 sq. mi.** | | | | | | | | |
| | **3.—MORAY FIRTH COAST STREAMS. 64 sq. mi.** | | | | | | | | |
| D | FORTROSE ... ... ... ... | Rev. W. Craig ... ... | 5 | 1 0 | 69 | 23·8 | 20·69 | 166 | 134 |
| d | Fearn (Geanies)... ... ... ... | Capt. K. Murray, J.P. ... | 5 | 1 0 | 200 | 22·8 | 18·87 | ... | ... |
| | **4.—CROMARTY FIRTH. 714 sq. mi.** | | | | | | | | |
| W | Upper Meig (Gleann Fhiodhaig) ... | N. of S. Hydro-Electric Bd. | 5 | 1 0 | 730 | ... | 61·15 | ... | ... |
| d | Scardroy (Strath Conon) ... ... | N. of S. Hydro-Electric Bd. | 5 | 0 10 | 530 | ... | 57·15 | ... | 203 |
| D | Muir of Ord (Fairburn) ... ... | Major J. S. Stirling ... | 5 | 1 0 | 500 | 36·2 | 33·53 | 181 | 154 |
| D | Dalbreac Lodge... ... ... ... | N. of S. Hydro-Electric Bd. | 5 | 1 0 | 500 | ... | 54·71 | 204 | 179 |
| D | Loch Gowan (Luib) ... ... ... | N. of S. Hydro-Electric Bd. | 5 | 1 0 | 625 | 74·0 | 71·29 | 240 | 220 |
| d | Loch Rosque (Luibmore) ... ... | N. of S. Hydro-Electric Bd. | 5 | 1 0 | 550 | ... | 78·30 | ... | ... |
| D | Loch Luichart (East) ... ... ... | N. of S. Hydro-Electric Bd. | 5 | 1 0 | 165 | 39·5 | 40·07 | 241 | 168 |
| d | Achnasheen (Druimdhu) ... ... | N. of S. Hydro-Electric Bd. | 5 | 0 10 | 540 | ... | 59·66 | ... | 189 |
| D | Lochluichart (The Manse) ... ... | N. of S. Hydro-Electric Bd. | 5 | 1 0 | 310 | 42·0 | 43·54 | 221 | 161 |
| d | Loch Fannich (Cabuie) ... ... | N. of S. Hydro-Electric Bd. | 5 | 1 0 | 850 | ... | 77·41 | ... | ... |
| D | Lochluichart (Aultdearg) ... ... | N. of S. Hydro-Electric Bd. | 5 | 1 0 | 725 | ... | 49·82 | 255 | 202 |
| M | Garbat (Dubh Choille) ... ... | Forestry Commission ... | 5 | 1 0 | 1150 | ... | 43·23 | ... | ... |
| D | Garbat Forest (Longart) ... ... | Forestry Commission ... | 5 | 1 0 | 500 | ... | 41·31 | 226 | 183 |
| D | Strath Vaich Schoolhouse ... ... | N. of S. Hydro-Electric Bd. | 5 | 1 0 | 700 | ... | 47·92 | 271 | 199 |
| d | Strath Vaich Lodge ... ... ... | N. of S. Hydro-Electric Bd. | 5 | 1 0 | 790 | ... | 58·70 | ... | ... |
| D | Alness (Ardross School) ... ... | J. H. Ross, Esq. ... ... | 5 | 1 0 | 490 | ... | 26·48 | 214 | 145 |
| | Strath Vaich (Luibachlaggan) ... ... | N. of S. Hydro-Electric Bd. | 5 | 1 0 | 850 | ... | (52·22) | ... | ... |
| | **5.—DORNOCH FIRTH. 355 sq. mi.** | | | | | | | | |
| D | Tain (Mayfield) ... ... ... | Dr. E. W. Fraser ... ... | 5 | 1 0 | 77 | 29·0 | 23·51 | 226 | 130 |
| D | TARBATNESS ... ... ... ... | Com'rs. of N. Lighthouses... | 5 | 1 0 | 60 | 22·2 | 18·42 | 187 | 116 |
| | **6.—ENARD BAY. 78 sq. mi.** | | | | | | | | |
| | **7.—LOCH BROOM & C. 367 sq. mi.** | | | | | | | | |
| D | Inverbroom (Glackour) ... ... | Forestry Commission ... | 5 | 1 0 | 65 | 56·5 | 67·33 | 269 | 215 |
| D | Dundonnell House ... ... ... | Lt.-Col. Sir T. M. Peto, Bart | 5 | 1 0 | 150 | ... | 77·12 | 265 | 234 |
| | **8.—LOCH EWE, LOCH TORRIDON & C. 423 sq. mi.** | | | | | | | | |
| W | Loch Torridon (Torridon House) ... | Capt. R. G. Gunter ... | 5 | 1 0 | 25 | ... | 74·26 | ... | ... |
| d | Loch Bad-Na-Sgalaig ... ... ... | N. of S. Hydro-Electric Bd. | 5 | 1 0 | 500 | ... | 82·15 | ... | ... |
| D | Gairloch (Badachro) ... ... ... | N. of S. Hydro-Electric Bd. | 5 | 1 0 | 50 | ... | 56·76 | 260 | 226 |
| D | Gairloch (Bank of Scotland House) ... | N. of S. Hydro-Electric Bd. | 5 | 1 0 | 40 | ... | 57·19 | 293 | 247 |
| D | Inverasdale (Midtown) ... ... | Alex. J. MacLeod, Esq. ... | 5 | 1 0 | 40 | ... | 66·40 | 256 | 223 |

## DIVISION XVIII—NORTH-WESTERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge: Diam. | Rain-gauge: Height of Rim above Ground | Rain-gauge: Height of Ground above Sea Level | Average Rainfall | 1952: Rainfall | 1952: Days with ·01 in. or more | 1952: Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | ROSS & CROMARTY—(*contd*). | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **9.—LOCH CARRON, LOCH ALSH & C. 401 sq. mi.** | | | | | | | | |
| D | Glenshiel (Kyle) | Mr. M. Macrae* | 5 | 1 0 | 650 | 135·2 | 134·11 | 282 | 257 |
| D | Loch Duich (Ratagan) | Forestry Commission | 5 | 1 0 | 12 | 82·3 | 77·40 | 243 | 207 |
| M | Loch Duich (Druim Sgurr) | Forestry Commission | 5 | 1 0 | 1000 | ... | 82·69 | ... | ... |
| D | Loch Alsh (Nostie) | N. of S. Hydro-Electric Bd. | 5 | 1 0 | 25 | ... | 72·88 | 253 | 215 |
| D | Stromeferry (Dailfearn) | Forestry Commision | 5 | 0 8 | 100 | ... | 63·84 | 251 | 217 |
| M | Stromeferry (Am Meallan) | Forestry Commission | 5 | 1 3 | 625 | ... | 67·89 | ... | ... |
| | Applecross | D. J. Sutherland, Esq. | 5 | 1 3 | 5 | 57·3 | 55·26 | ... | ... |
| D | ACHNASHELLACH | Forestry Commission | 5 | 1 0 | 225 | 79·9 | 84·67 | 264 | 234 |
| M | §Coulin Pass | Forestry Commission | 5 | 1 0 | 950 | ... | 92·50 | ... | ... |
| | **10.—INSULAR. OUTER HEBRIDES. 691 sq. mi.** | | | | | | | | |
| | Stornoway Lighthouse | Com'rs. of N. Lighthouses | 5 | 6 0 | 28 | ... | 43·32 | ... | ... |
| D | STORNOWAY Airport | (+A) Meteorological Office | 5 | 1 0 | 10 | ... | 44·66 | 278 | 208 |

## DIVISION XIX—NORTHERN COUNTIES

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | **SUTHERLAND. (Area, 2,080 sq. mi.)** | | | | | | | | |
| | **1.—DORNOCH FIRTH. 413 sq. mi.** | | | | | | | | |
| D | Dornoch (Ospisdale) | F. N. Sudlow, Esq. | 8 | 1 2 | 50 | ... | 27·50 | 256 | 157 |
| D | Glenrossal | Lt.-Col. P. C. H. Grant | 5 | 1 0 | 130 | ... | 39·94 | 253 | 194 |
| d | Glen Cassley (Duchally) | N. of S. Hydro-Electric Bd. | 5 | 0 11 | 437 | ... | 69·59 | ... | ... |
| M | Loch Shin (Fiag) | N. of S. Hydro-Electric Bd. | 5 | 1 0 | 880 | ... | (61·18) | ... | ... |
| D | Loch Shin (Corrykinloch) | N. of S. Hydro-Electric Bd. | 5 | 1 0 | 356 | ... | 84·75 | 294 | 244 |
| | **2.—FLEET, BRORA & C. 309 sq. mi.** | | | | | | | | |
| M | Loch Merkland (Garvault) | N. of S. Hydro-Electric Bd. | 5 | 1 0 | 1100 | ... | 94·19 | ... | ... |
| | **3.—HELMSDALE & C. 226 sq. mi.** | | | | | | | | |
| | **4.—NORTH COAST STREAMS. 736 sq. mi.** | | | | | | | | |
| D | Tongue | D. Murray Esq. | 5 | 1 0 | 40 | 41·5 | 42·78 | 269 | 210 |
| D | STRATHY (Bowside) | Dept. of Agriculture | 5 | 1 0 | 125 | ... | 34·69 | 263 | 211 |
| W | Melvich Hotel | Miss M. Mackintosh | 5 | 1 0 | 200 | 36·0 | 37·19 | ... | ... |
| D | Durness | W. M. Hames, Esq. | 5 | 1 0 | 105 | ... | 52·26 | 290 | 243 |
| D | CAPE WRATH | Principal Keeper, for M.O. | 5 | 1 0 | 367 | ... | 49·61 | 264 | 218 |
| | **5.—LOCH LAXFORD & C. 256 sq. mi.** | | | | | | | | |
| | **6.—ENARD BAY. 138 sq. mi.** | | | | | | | | |
| D | Elphin | Capt. H. MacLeod | 5 | 1 2 | 750 | 61·4 | 70·78 | 270 | 244 |
| D | Lochinver (Bank House) | G. W. Gordon, Esq., J.P. | 5 | 1 0 | 22 | 44·6 | 54·24 | 268 | 214 |
| | **7.—INSULAR. 2 sq. mi.** | | | | | | | | |
| | **CAITHNESS. (Area, 696 sq. mi.)** | | | | | | | | |
| | **1.—BERRIEDALE. DUNBEATH & C. 169 sq. mi.** | | | | | | | | |
| M | Berriedale (Langwell) | Duke of Portland | 5 | 1 6 | 150 | ... | 31·52 | ... | ... |
| | Clythness | Com'rs. of N. Lighthouses | 5 | 1 5 | 133 | 29·6 | (31·38) | ... | ... |

* *Per* Capt. W. N. McClean. § Turf wall round gauge.

## DIVISION XIX—NORTHERN COUNTIES—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Height of Rim above Ground | Height of Ground above Sea Level | Average Rainfall | 1952 Rainfall | Days with ·01 in. or more | Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | CAITHNESS—(*contd.*). | | *in.* | *ft.* | *in.* | *ft.* | *in.* | *in.* | | |
| | **2.—WICK & C. 184 sq. mi.** | | | | | | | | | |
| D | Wick Airport | (+A) Meteorological Office | 5 | 1 | 0 | 119 | 29·9 | 32·33 | 246 | 173 |
| | Noss Head | Com'rs. of N. Lighthouses | 5 | 0 | 9 | 129 | ... | 29·68 | 200 | 169 |
| | **3.—THURSO & C. 238 sq. mi.** | | | | | | | | | |
| D | Halkirk (Westerdale) | Rev. A. S. Maciver | 5 | 1 | 0 | 195 | ... | 32·85 | 251 | 212 |
| | Thurso (Holburn Head) | Com'rs. of N. Lighthouses | 5 | 0 | 8 | 68 | ... | 33·03 | 245 | 191 |
| | **4.—FORSS & C. 104 sq. mi.** | | | | | | | | | |
| | **5.—INSULAR. 1 sq. mi.** | | | | | | | | | |
| | Stroma | Com'rs. of N. Lighthouses | 5 | 3 | 0 | 54 | ... | (33·94) | 232 | 177 |
| | ORKNEY ISLANDS. (Area, 389 sq. mi.) | | | | | | | | | |
| | Hoy (Cantick Head) | Com'rs. of N. Lighthouses | 5 | 3 | 10 | 68 | 32·9 | 38·83 | 235 | 187 |
| | Hoy (Graemsay Sound, High) | Com'rs. of N. Lighthouses | 5 | 1 | 4 | 29 | 35·8 | 39·52 | 264 | 195 |
| D | Grimsetter Airport | (+A) Meteorological Office | 5 | 1 | 0 | 84 | ... | 40·59 | 257 | 193 |
| D | Stenness | P. K. I. Leith, Esq. | 5 | 1 | 0 | 75 | ... | 40·00 | 243 | 196 |
| | Hellyar Holm | Com'rs. of N. Lighthouses | 5 | 1 | 3 | 35 | 32·9 | (36·68) | ... | 168 |
| M | Shapinsay (Balfour Castle) | Mr. J. W. Liddell | 5 | 0 | 5 | 50 | 32·0 | 39·64 | ... | ... |
| | Sanday (Start Point) | Com'rs. of N. Lighthouses | 5 | 1 | 0 | 27 | 31·1 | 37·43 | 234 | 190 |
| | North Ronaldshay | Com'rs. of N. Lighthouses | 5 | 0 | 9 | 22 | 32·8 | 36·07 | ... | ... |
| | SHETLAND ISLANDS. (Area, 558 sq. mi.) | | | | | | | | | |
| d | Sandwick | Zetland County Council | 5 | 1 | 0 | 450 | ... | 50·06 | 261 | 207 |
| D | Burra Isle | Zetland County Council | 5 | ... | ... | ... | ... | 47·29 | 245 | 188 |
| D | Lerwick Observatory | (+A) Meteorological Office | 8 | 1 | 0 | 269 | 38·1 | 45·74 | 265 | 188 |
| D | Bixter (Vementry) | Capt. D. Cross | 5 | 1 | 1 | 25 | ... | 43·26 | 252 | 202 |
| d | Whalsey (Saltness) | Zetland County Council | 5 | ... | ... | ... | ... | 39·51 | 227 | 158 |

# Northern Ireland

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | FERMANAGH. (Area, 713 sq. mi.) | | | | | | | | | |
| | **1.—ERNE. 667 sq. mi.** | | | | | | | | | |
| D | Newtownbutler (Crom Castle) | The Earl of Erne | 5 | 1 | 0 | 200 | 38·7 | 30·66 | 251 | 146 |
| d | Florencecourt | The Earl of Enniskillen | 5 | 1 | 0 | 274 | *48·5* | 34·94 | ... | ... |
| D | Enniskillen (Bellevue) | Lady Margaret Lowry-Corry | 5 | 1 | 0 | 210 | *41·0* | 30·99 | 254 | 142 |
| D | Colebrooke | Sir Basil Brooke, Bart. | 5 | 1 | 0 | 250 | ... | 35·56 | 200 | 160 |
| d | Ballinamallard (Rossfad) | Lt.-Col. H. S. C. Richardson | 5 | 0 | 11 | 200 | ... | 38·22 | ... | ... |
| D | Belleek (Roscor) | J. H. Dick, Esq., for M.O. | 5 | 1 | 0 | 500 | ... | 43·23 | 238 | 193 |
| D | Belleek | Mrs. Beacom | 5 | 1 | 2 | 150 | *45·5* | 43·17 | 258 | 205 |
| D | Irvinestown (R.U.C.) | Sgt. Jebb* | 5 | 1 | 0 | 303 | ... | 36·02 | 222 | 165 |
| D | Castle Archdale Airfield | (+A) Meteorological Office | 5 | 1 | 0 | 240 | ... | 34·42 | 207 | 154 |
| | **2.—DROWES & C. 46 sq. mi.** | | | | | | | | | |

* *Per* Govt. of Northern Ireland.

## NORTHERN IRELAND—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge: Diam. | Rain-gauge: Height of Rim above Ground | Rain-gauge: Height of Ground above Sea Level | Average Rainfall | 1952: Rainfall | 1952: Days with ·01 in. or more | 1952: Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **ARMAGH. (Area, 514 sq. mi.)** | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **1.—DUNDALK BAY. 118 sq. mi.** | | | | | | | | |
| | **2.—CARLINGFORD LOUGH. 23 sq. mi.** | | | | | | | | |
| D | Bessbrook (The Woodhouse) ... | J. S. W. Richardson, Esq. | 5 | 1 0 | 260 | *37·2* | 34·88 | 207 | 159 |
| | **3.—BANN. Lough Neagh, East. 37 sq. mi.** | | | | | | | | |
| | **4.—BANN. UPPER. 144 sq. mi.** | | | | | | | | |
| d | Markethill (Whitecross) ... | R. U. C. Barracks*... | 5 | 1 0 | 400 | ... | 37·16 | ... | 149 |
| d | ‖Portadown (Tavanagh House) | Borough Surveyor... | 5 | 1 0 | 89 | ... | 25·57 | ... | ... |
| | **5.—BANN. Lough Neagh, West. 192 sq. mi.** | | | | | | | | |
| D | Keady (Derrynoose Rectory) ... | Rev. T. F. Campbell ... | 5 | 1 0 | 380 | ... | 29·53 | 246 | 159 |
| D | Tynan Abbey ... ... ... | Sir Norman Stronge, Bart. | 5 | 1 0 | 167 | ... | 26·75 | 195 | 143 |
| D | ARMAGH Observatory ... (+A) | Director of Obsy., for M.O. | 8 | 1 0 | 205 | 31·7 | 28·36 | 200 | 146 |
| D | Richhill (Sandymount) ... | Mrs. C. B. Lamb ... ... | 5 | 1 6 | 200 | *29·3* | 28·10 | 172 | 142 |
| | **DOWN. (Area, 961 sq. mi.)** | | | | | | | | |
| | **1.—CARLINGFORD LOUGH. 104 sq. mi.** | | | | | | | | |
| D | Newry (Bridge Street House) ... | C. Blaney, Esq. ... ... | 5 | 1 0 | 23 | 38·1 | 32·95 | 169 | 132 |
| | **2.—DUNDRUM BAY & C. 173 sq. mi.** | | | | | | | | |
| D | Silent Valley (Belfast Waterworks) ... | R. E. D. Bain, Esq., B.A. ... | 5 | 1 0 | 457 | ... | 41·51 | 206 | 153 |
| D | Annalong (Belfast Waterworks) ... | R. E. D. Bain, Esq., B.A. ... | 5 | 1 0 | 435 | *47·5* | 38·37 | 186 | 150 |
| M | Mourne Mount'ns (Slieve Lamagan) | R. E. D. Bain, Esq., B.A. ... | 5 | 1 0 | 1320 | ... | 61·65 | ... | ... |
| M | Mourne Mount'ns (Lough Shannagh) | R. E. D. Bain, Esq., B.A. ... | 5 | 1 0 | 1280 | 65·6 | 62·10 | ... | ... |
| d | Seaforde ... ... ... ... | Lt.-Col. D. C. Forde ... | 8 | 1 0 | 180 | 38·3 | 31·38 | 176 | 149 |
| | **3.—STRANGFORD LOUGH. 260 sq. mi.** | | | | | | | | |
| d | Downpatrick (Down High School) ... | S. Lyons, Esq.* ... ... | ... | ... ... | ... | ... | 27·22 | 172 | 128 |
| D | Downpatrick (The Mall) ... ... | E. A. Smith, Esq.* ... ... | 5 | 1 3 | ... | ... | 28·02 | 183 | 133 |
| D | Comber (Ballywilliam) ... ... | J. L. O. Andrews, Esq. ... | 5 | 1 0 | 160 | ... | 28·31 | 211 | 138 |
| d | Grey Abbey (Hollowdene) ... ... | J. T. Barnes, Esq.* ... ... | 5 | 1 0 | 6 | ... | 25·40 | ... | 106 |
| | **4.—COAST STREAMS. 47 sq. mi.** | | | | | | | | |
| D | Ballywalter Park ... ... ... | Lord Dunleath ... ... | 5 | 1 0 | 50 | ... | 28·71 | 204 | 130 |
| D | Donaghadee (Belvedere) ... ... | D. Mitchell, Esq. ... ... | 5 | 1 0 | 94 | ... | 28·07 | 195 | 127 |
| D | Donaghadee (Craigmore) ... ... | Miss E. E. Coates ... ... | 5 | 1 0 | 60 | *30·6* | 29·12 | 209 | 129 |
| D | Donaghadee (Orlock Reservoir) ... | Resident Engineer ... ... | 5 | 1 0 | 23 | ... | 27·17 | 182 | 130 |
| | **5.—BELFAST LOUGH. 206 sq. mi.** | | | | | | | | |
| D | Dromara... ... ... ... ... | Govt. of Northern Ireland | 5 | 1 0 | 400 | ... | 34·68 | 207 | 157 |
| M | Annaghanoon ... ... ... ... | W. J. Gibson, Esq. ... | 5 | 1 0 | 200 | ... | 26·62 | ... | ... |
| D | Waringstown (The Forge) ... ... | W. J. Gibson, Esq. ... | 5 | 1 0 | 184 | 32·2 | 26·69 | 211 | 142 |
| D | HILLSBOROUGH (Ag. Research Inst.) ... | Secretary ... ... ... | 5 | 1 0 | 388 | ... | 28·89 | 211 | 153 |
| D | Dundonald (Moyard) ... ... ... | Dr. F. G. L. Barnes ... | 5 | 1 0 | 200 | ... | 28·62 | 197 | 132 |
| d | Knock (Ormiston Drive) ... ... | W. R. Carmody, Esq. ... | 5 | 1 0 | 100 | ... | 31·79 | 215 | 143 |
| D | Belfast (Kingsway Gardens) ... ... | S. Dunlop, Esq. ... ... | 5 | 1 0 | 128 | ... | 30·92 | 202 | 138 |
| D | Conlig Reservoir ... ... ... | Bangor Borough Council ... | 5 | 2 6 | 213 | ... | 31·27 | 201 | 148 |
| D | Ballysallagh Reservoir ... ... | Bangor Borough Council ... | 5 | 2 1 | 245 | ... | 32·54 | 202 | 161 |
| D | Cultra (Nacoma) ... ... ... | Col. H. A. Charley, C.B.E. | 5 | 0 11 | 100 | ... | 30·92 | 213 | 140 |
| D | HOLLYWOOD (CULTRA) ... ... | T. D. Boyd, Esq. ... ... | 5 | 1 0 | 50 | ... | 29·19 | 193 | 131 |
| D | Bangor (Garth House School) ... | Miss E. N. Swanson ... | 5 | ... ... | 120 | ... | 27·71 | 173 | 126 |

* *Per* Govt. of Northern Ireland. ‖ Gauge sheltered.

## NORTHERN IRELAND—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge Diam. | Rain-gauge Height of Rim above Ground | Rain-gauge Height of Ground above Sea Level | Average Rainfall | 1952 Rainfall | 1952 Days with ·01 in. or more | 1952 Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | DOWN—(*contd.*). | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **6.—BANN. Lough Neagh East. 7 sq. mi.** | | | | | | | | |
| | **7.—BANN. UPPER. 162 sq. mi.** | | | | | | | | |
| d | Banbridge | Town Surveyor | 5 | 1 1 | 252 | ... | 27·13 | ... | ... |
| | **8.—INSULAR. 2 sq. mi.** | | | | | | | | |
| | **ANTRIM. (Area, 1,193 sq. mi.)** | | | | | | | | |
| | **1.—BELFAST LOUGH. 107 sq. mi.** | | | | | | | | |
| d | Lisburn School | Headmaster | 8 | 1 0 | 201 | 34·1 | 29·67 | ... | ... |
| D | Dunmurry (Lagmore) | R. E. D. Bain, Esq., B A. | 5 | 1 0 | 385 | ... | 37·44 | 211 | 170 |
| D | Belfast (Queen's University) | Secretary | 5 | 1 0 | 57 | 34·5 | 31·41 | 195 | 149 |
| D | Belfast (Sewage Works) | City Surveyor | 8 | 1 0 | 26 | *35·8* | 30·68 | 174 | 124 |
| D | Belfast (Oldpark Filters) | R. E. D. Bain, Esq., B.A. | 5 | 1 0 | 203 | *39·0* | 37·06 | 191 | 160 |
| D | ‖Carrickfergus (Dorisland) | R. E. D. Bain, Esq., B.A. | 5 | 1 0 | 271 | ... | 34·17 | 211 | 156 |
| D | Carrickfergus (Knockagh) | R. E. D. Bain, Esq., B.A. | 5 | 1 0 | 723 | ... | 36·44 | 225 | 165 |
| D | Carrickfergus (South Woodburn) | R. E. D. Bain, Esq., B.A. | 5 | 1 0 | 640 | *44·5* | 36·76 | 220 | 169 |
| D | Carrickfergus (Copeland) | R. E. D. Bain, Esq., B.A. | 5 | 1 0 | 427 | *40·0* | 34·67 | 236 | 157 |
| D | Carrickfergus (Lough Mourne) | R. E. D. Bain, Esq., B.A. | 5 | 1 0 | 596 | *42·5* | 38·50 | 238 | 167 |
| | **2.—GLENARM & C. 186 sq. mi.** | | | | | | | | |
| D | Larne (Ballycarry) | J. Mc.Clintock, Esq. | 5 | 1 0 | 250 | ... | 34·51 | 202 | 151 |
| D | Larne (Sallagh Springs) | J. E. Croasdaile, Esq., M.A. | 5 | 1 0 | 566 | *50·0* | 41·22 | 210 | 182 |
| | **3.—BUSH & C. 193 sq. mi.** | | | | | | | | |
| D | Ballycastle (Coolgreany) | E. R. Casement, Esq. | 5 | 1 0 | 90 | ... | 42·39 | 220 | 187 |
| | **4.—BANN. LOWER. 112 sq. mi.** | | | | | | | | |
| D | Toomebridge | M. of Finance Lock Keeper* | 5 | 1 0 | 59 | ... | 32·69 | 199 | 150 |
| | **5.—BANN. Lough Neagh, East. 590 sq. mi.** | | | | | | | | |
| D | Stoneyford (Belfast Waterworks) | R. E. D. Bain, Esq., B.A. | 5 | 1 0 | 453 | ... | 35·28 | 223 | 161 |
| D | Leathemstown (Belfast Waterworks) | R. E. D. Bain, Esq., B.A. | 5 | 1 0 | 534 | ... | 38·42 | 216 | 170 |
| D | Nutts Corner (Belfast Airport) | Meteorological Office | 5 | 1 0 | 338 | ... | 32·45 | 195 | 146 |
| D | Aldergrove Airfield (+A) | Meteorological Office | 5 | 1 0 | 220 | 33·0 | 27·23 | 198 | 135 |
| D | Randalstown | Old Bleach Linen Co., Ltd. | 5 | 1 0 | 100 | ... | 35·70 | 215 | 156 |
| D | Ballymena (Harryville) | R. Leathem, Esq. | 5 | 1 5 | 150 | 41·5 | 38·64 | 232 | 168 |
| D | Broughshane (Quolie) | H. W. Craig, Esq., C.E. | 5 | 1 6 | 864 | *47·3* | 51·40 | 255 | 198 |
| | **6.—INSULAR. 5 sq. mi.** | | | | | | | | |
| | **LONDONDERRY. (Area, 816 sq. mi.)** | | | | | | | | |
| | **1.—LOUGH SWILLY. 6 sq. mi.** | | | | | | | | |
| D | Londonderry (Dunruadh) | J. H. Welch, Esq. | 5 | 0 6 | 150 | *40·5* | 40·86 | 241 | 197 |
| | **2.—BUSH & C. 9 sq. mi.** | | | | | | | | |

* *Per* Govt. of Northern Ireland. ‖ Gauge over-exposed.

## NORTHERN IRELAND—(*contd.*)

| | STATIONS | AUTHORITIES | Rain-gauge: Diam. | Rain-gauge: Height of Rim above Ground | Rain-gauge: Height of Ground above Sea Level | Average Rainfall | 1952: Rainfall | 1952: Days with ·01 in. or more | 1952: Days with ·04 in. or more |
|---|---|---|---|---|---|---|---|---|---|
| | **LONDONDERRY—(*contd.*).** | | *in.* | *ft. in.* | *ft.* | *in.* | *in.* | | |
| | **3.—BANN. LOWER. 240 sq. mi.** | | | | | | | | |
| D | Upperlands (Ardtara) ... ... | ... H. J. Clark, Esq. ... ... | 5 | 2 0 | 250 | ... | 40·09 | 254 | 170 |
| D | GARVAGH (MONEYDIG) ... | ... J. Porter, Esq. ... ... | 5 | 1 0 | 121 | 38·8 | 40·97 | 243 | 173 |
| D | Coleraine (The Cutts) ... ... | ... M. of Finance Lock Keeper* | 5 | 1 0 | 22 | ... | 41·96 | 230 | 185 |
| D | Coleraine (Ingledene) ... ... | ... W. R. Johnston, Esq. ... | 5 | 3 4 | 55 | ... | 41·17 | 224 | 179 |
| | **4.—BANN. Lough Neagh, West. 196 sq. mi.** | | | | | | | | |
| D | Draperstown (Ard Muiri) ... | ... James Gunn, Esq.* ... | 5 | 1 0 | 267 | ... | 42·90 | 232 | 164 |
| | **5.—FOYLE & C. 365 sq. mi.** | | | | | | | | |
| M | Glenedra Hill ... ... ... | ... Londonderry C.B.C. ... | 5 | 1 0 | 1333 | *62·5* | 61·12 | ... | ... |
| M | Glenedra Lodge ... ... | ... Londonderry C.B.C. ... | 5 | 1 0 | 950 | 57·0 | 53·01 | ... | ... |
| M | ‖Glenedra (Altagarran Mountain) | ... Londonderry C.B.C. ... | 5 | 1 0 | 1230 | ... | (53·14) | ... | ... |
| M | Dungiven (Labbyheige) ... | ... Londonderry C.B.C. ... | 5 | 1 0 | 1150 | ... | 53·73 | ... | ... |
| M | Altnaheglish (Altabrogy Burn) | ... Londonderry C.B.C. ... | 5 | 1 0 | 967 | ... | 50·43 | ... | ... |
| M | Glenedra Intake ... ... | ... Londonderry C.B.C. ... | 5 | 1 0 | 740 | ... | 50·74 | ... | ... |
| M | Altnaheglish (Glack Burn) ... | ... Londonderry C.B.C. ... | 5 | 1 0 | 967 | ... | 49·44 | ... | ... |
| D | Dungiven (Banagher Filters) ... | ... Londonderry C.B.C. ... | 5 | 1 0 | 373 | ... | 47·71 | 254 | 199 |
| D | Dungiven (Grianan) ... ... | ... A. E. Bunn, Esq.* ... ... | 5 | 1 0 | 330 | ... | 40·54 | 243 | 184 |
| D | Londonderry (Creggan Res.) | ... City Surveyor ... ... | 8 | 1 0 | 325 | 41·8 | 42·37 | 249 | 190 |
| D | Limavady (Drenagh) ... ... | ... Lt.-Col. C. R. McCausland | 5 | 1 6 | 80 | 37·0 | 37·60 | 228 | 186 |
| D | CASTLEROCK (Craighead) ... | ... E. G. Box, Esq. ... ... | 5 | 1 0 | 57 | ... | 37·96 | 229 | 178 |
| | **TYRONE. (Area, 1,257 sq. mi.)** | | | | | | | | |
| | **1.—ERNE. 46 sq. mi.** | | | | | | | | |
| | **2.—BANN. Lough Neagh, West. 442 sq. mi.** | | | | | | | | |
| D | Dungannon (Aloha) ... ... | ... Major R. Stevenson ... | 5 | 1 0 | 275 | *37·2* | 34·53 | 220 | 150 |
| D | Castlecaulfield (Parkanaur) ... | ... Major Y. A. Burges ... | 8 | 0 6 | 250 | ... | 31·02 | 218 | 158 |
| D | Cookstown (Loughery Agric. College) | J. A. Young, Esq.* ... | 5 | 1 0 | 208 | ... | 34·98 | 204 | 155 |
| | **3.—FOYLE. 769 sq. mi.** | | | | | | | | |
| D | Omagh (Edenfel) ... ... | ... Mrs. F. M. Hammond Smith | 8 | 1 0 | 280 | 40·1 | 36·95 | 234 | 176 |
| D | Gortin (Beltrim School) ... | ... H. C. Willis, Esq.* ... ... | 5 | 1 0 | 393 | ... | 43·21 | 222 | 176 |
| D | Sion Mills (Sion House) ... | ... Capt. J. C. Herdman ... | 5 | 1 0 | 100 | 39·1 | 37·12 | 203 | 178 |

* *Per* Govt. of Northern Ireland. ‖ Gauge over-exposed on moor.

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